2016 **WRANGLER** USER GUIDE

If you are the first registered retail owner of your vehicle, you may obtain a complimentary printed copy of the Owner's Manual, Navigation/Uconnect Manuals or Warranty Booklet by calling **1-877-426-5337 (U.S.)** or **1-800-387-1143 (Canada)** or by contacting your dealer.

The driver's primary responsibility is the safe operation of the vehicle. Driving while distracted can result in loss of vehicle control, resulting in a collision and personal injury. FCA US LLC strongly recommends that the driver use extreme caution when using any device or feature that may take their attention off the road. Use of any electrical devices, such as cellular telephones, computers, portable radios, vehicle navigation or other devices, by the driver while the vehicle is moving is dangerous and could lead to a serious collision. Texting while driving is also dangerous and should never be done while the vehicle is moving. If you find yourself unable to devote your full attention to vehicle operation, pull off the road to a safe location and stop your vehicle. Some states or provinces prohibit the use of cellular telephones or texting while driving. It is always the driver's responsibility to comply with all local laws.

Important:

This User Guide is intended to familiarize you with the important features of your vehicle. The DVD enclosed contains your Owner's Manual, Navigation/Uconnect Manuals, Warranty Booklets, Tire Warranty and Roadside Assistance (new vehicles purchased in the U.S.) or Roadside Assistance (new vehicles purchased in Canada) in electronic format. We hope you find it useful. Replacement DVD kits may be purchased by visiting **www.techauthority.com**.

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INTRODUCTION/WELCOME

WELCOME FROM FCA US LLC

Congratulations on selecting your new FCA US LLC ("FCA US") vehicle. Be assured that it represents precision workmanship, distinctive styling, and high quality - all essentials that are traditional to our vehicles.

Your new FCA US vehicle has characteristics to enhance the driver's control under some driving conditions. These are to assist the driver and are never a substitute for attentive driving. They can never take the driver's place. Always drive carefully.

Your new vehicle has many features for the comfort and convenience of you and your passengers. Some of these should not be used when driving because they take your eyes from the road or your attention from driving. Never text while driving or take your eyes more than momentarily off the road.

This guide illustrates and describes the operation of features and equipment that are either standard or optional on this vehicle. This guide may also include a description of features and equipment that are no longer available or were not ordered on this vehicle. Please disregard any features and equipment described in this guide that are not available on this vehicle. FCA US reserves the right to make changes in design and specifications and/or make additions to or improvements to its products without imposing any obligation upon itself to install them on products previously manufactured.

This User Guide has been prepared to help you quickly become acquainted with the important features of your vehicle. It contains most things you will need to operate and maintain the vehicle, including emergency information.

The DVD includes a computer application containing detailed owner's information which can be viewed on a personal computer or MAC computer. The multimedia DVD also includes videos which can be played on any standard DVD player (Uconnect Touchscreen Radios if equipped with DVD player capabilities). Additional DVD operational information is located on the back of the DVD sleeve.

For complete owner information, refer to your Owner's Manual on the DVD in the owner's kit provided at the time of new vehicle purchase. For your convenience, the information contained on the DVD may also be printed and saved for future reference.

FCA US is committed to protecting our environment and natural resources. By converting from paper to electronic delivery for the majority of the user information for your vehicle, together we greatly reduce the demand for tree-based products and lessen the stress on our environment.

This is a specialized utility vehicle designed for both on-road and off-road use. It can go places and perform tasks for which conventional two-wheel drive enclosed vehicles were not intended. It handles and maneuvers differently from many passenger cars both on-road and off-road, so take time to become familiar with your vehicle.

When it comes to service, remember that your authorized dealer knows your vehicle best, has factory-trained technicians and genuine MOPAR® parts, and cares about your satisfaction.

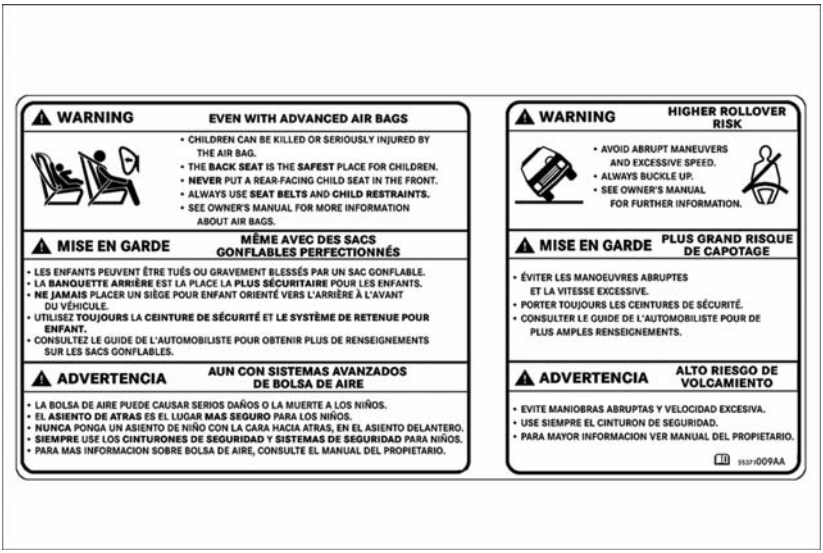
VEHICLES SOLD IN CANADA

With respect to any vehicles sold in Canada, the name FCA US LLC shall be deemed to be deleted and the name FCA Canada Inc. used in substitution (excluding legal lines).

WARNING!

- Pedals that cannot move freely can cause loss of vehicle control and increase the risk of serious personal injury.
- Always make sure that objects cannot fall into the driver foot well while the vehicle is moving. Objects can become trapped under the brake pedal and accelerator pedal causing a loss of vehicle control.
- Failure to properly follow floor mat installation or mounting can cause interference with the brake pedal and accelerator pedal operation causing loss of control of the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children. A child could operate power windows, other controls, or move the vehicle.
- Never use the 'PARK' position as a substitute for the parking brake. Always apply the parking brake fully when parked to guard against vehicle movement and possible injury or damage.
- Refer to your Owner's Manual on the DVD for further details.

Rollover Warning


WARNING
EVEN WITH ADVANCED AIR BAGS
• CHILDREN CAN BE KILLED OR SERIOUSLY INJURED BY THE AIR BAG.
• THE BACK SEAT IS THE SAFEST PLACE FOR CHILDREN.
• NEVER PUT A REAR-FACING CHILD SEAT IN THE FRONT.
• ALWAYS USE SEAT BELTS AND CHILD RESTRAINTS.
• SEE OWNER'S MANUAL FOR MORE INFORMATION ABOUT AIR BAGS.
MISE EN GARDE
MÊME AVEC DES SACS GONFLABLES PERFECTIONNÉS
• LES ENFANTS PEUVENT ÊTRE TUÉS OU GRAVEMENT BLESSÉS PAR UN SAC GONFLABLE.
• LA BANQUETTE ARRIÈRE EST LA PLACE LA PLUS SÉCURITAIRE POUR LES ENFANTS.
• NE JAMAIS PLACER UN SIÈGE POUR ENFANT ORIENTÉ VERS L'ARRIÈRE À L'AVANT DU VÉHICULE.
• UTILISEZ TOUJOURS LA CEINTURE DE SÉCURITÉ ET LE SYSTÈME DE RETENUE POUR ENFANT.
• CONSULTEZ LE GUIDE DE L'AUTOMOBILISTE POUR OBTENIR PLUS DE RENSEIGNEMENTS SUR LES SACS GONFLABLES.
ADVERTENCIA
AUN CON SISTEMAS AVANZADOS DE BOLSA DE AIRE
• LA BOLSA DE AIRE PUEDE CAUSAR SERIOS DAÑOS O LA MUERTE A LOS NIÑOS.
• EL ASIENTO DE ATRAS ES EL LUGAR MAS SEGURO PARA LOS NIÑOS.
• NUNCA PONGA UN ASIENTO DE NIÑO CON LA CARA HACIA ATRAS, EN EL ASIENTO DELANTERO.
• SIEMPRE USE LOS CINTURONES DE SEGURIDAD Y SISTEMAS DE SEGURIDAD PARA NIÑOS.
• PARA MAS INFORMACION SOBRE BOLSA DE AIRE, CONSULTE EL MANUAL DEL PROPIETARIO.
WARNING
HIGHER ROLLOVER RISK
• AVOID ABRUPT MANEUVERS AND EXCESSIVE SPEED.
• ALWAYS BUCKLE UP.
• SEE OWNER'S MANUAL FOR FURTHER INFORMATION.
MISE EN GARDE
PLUS GRAND RISQUE DE CAPOTAGE
• ÉVITER LES MANOEUVRES ABRUPTES ET LA VITESSE EXCESSIVE.
• PORTER TOUJOURS LES CEINTURES DE SÉCURITÉ.
• CONSULTER LE GUIDE DE L'AUTOMOBILISTE POUR DE PLUS AMPLES RENSEIGNEMENTS.
ADVERTENCIA
ALTO RIESGO DE VOLCAMIENTO
• EVITE MANIOBRAS ABRUPTAS Y VELOCIDAD EXCESIVA.
• USE SIEMPRE EL CINTURON DE SEGURIDAD.
• PARA MAYOR INFORMACION VER MANUAL DEL PROPIETARIO.
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USE OF AFTERMARKET PRODUCTS (ELECTRONICS)

The use of aftermarket devices including cell phones, MP3 players, GPS systems, or chargers may affect the performance of on-board wireless features including Keyless Enter-N-Go and Remote Start range. If you are experiencing difficulties with any of your wireless features, try disconnecting your aftermarket devices to see if the situation improves. If your symptoms persist, please see an authorized dealer.

When it comes to service, remember that your authorized dealer knows your Jeep® vehicle best, has factory-trained technicians and genuine MOPAR® parts, and cares about your satisfaction.

CONTROLS AT A GLANCE

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3. Wiper/Washer Lever (behind steering wheel) pg. 30
4. Audio System pg. 54
5. Power Windows
6. Glove Compartment
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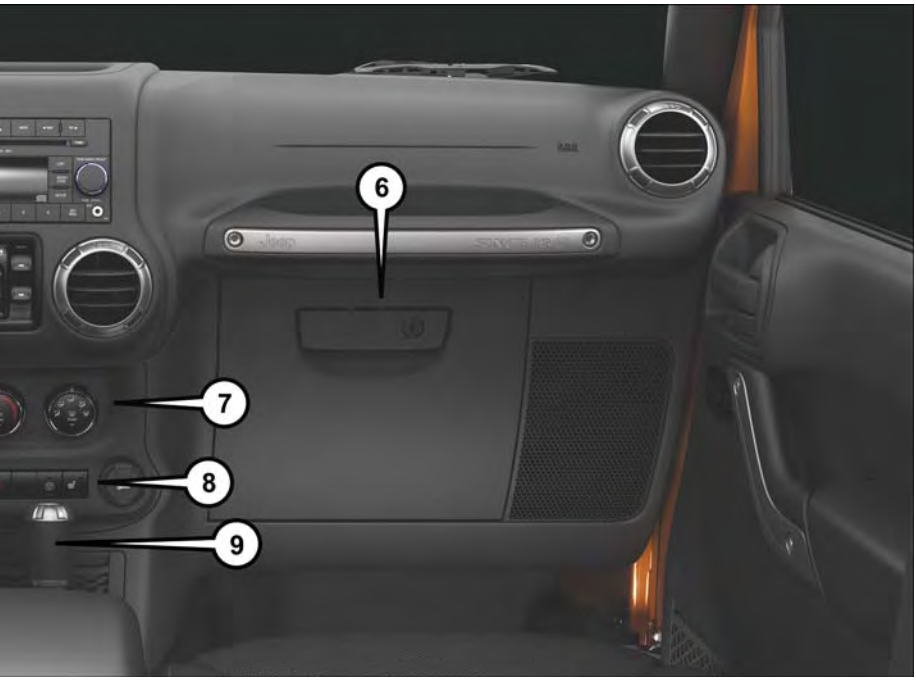

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13. Door Locks

CONTROLS AT A GLANCE

INSTRUMENT CLUSTER

1. Fuel Filler Door Location
2. Fuel Gauge
3. Speedometer

(See page 101 for Instrument Cluster Warning Lights.)

4. Tachometer
5. Engine Temperature Gauge

(See page 106 for Instrument Cluster Indicator Lights.)

KEY FOB

Locking And Unlocking The Doors/Swing Gate

- Push the LOCK button once to lock all the doors and swing gate. Push the UNLOCK button once to unlock the driver's door only and twice within five seconds to unlock all the doors and swing gate.
- All doors can be programmed to unlock on the first push of the UNLOCK button. Refer to "Programmable Features" in "Electronics" for further information.

Panic Alarm

- Push the PANIC button once to turn the panic alarm on.
- Wait approximately three seconds and push the PANIC button a second time to turn the panic alarm off.

Key Fob

1 — Unlock
2 — Remote Start
3 — Lock

WARNING!

- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be severely injured or killed. Children should be warned not to touch the parking brake, brake pedal, or the transmission gear selector. Do not leave the Key Fob in or near the vehicle, or in a location accessible to children, A child could start the vehicle, operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build-up may cause them to be severely injured or killed.

REMOTE START

- Push the REMOTE START button (x2) on the Key Fob twice within five seconds. Pushing the REMOTE START button a third time shuts the engine off.
- To drive the vehicle, push the UNLOCK button, insert the key in the ignition and turn to the ON/RUN position.
- With Remote Start, the engine will only run for 15 minutes (timeout) unless the ignition key is placed in the ON/RUN position.
- The vehicle must be started with the key after two consecutive timeouts.

WARNING!

- Do not start or run an engine in a closed garage or confined area. Exhaust gas contains Carbon Monoxide (CO) which is odorless and colorless. Carbon Monoxide is poisonous and can cause you or others to be severely injured or killed when inhaled.
- Keep Key Fob transmitters away from children. Operation of the Remote Start System, windows, door locks or other controls could cause you and others to be severely injured or killed.

VEHICLE SECURITY ALARM

The Vehicle Security Alarm monitors the vehicle doors for unauthorized entry and the ignition for unauthorized operation. While the Vehicle Security Alarm is armed, interior switches for door locks and decklid release are disabled. If something triggers the alarm, the Vehicle Security Alarm will provide the following audible and visible signals: the horn will pulse, the park lamps and/or turn signals will flash, and the Vehicle Security Light in the instrument cluster will flash.

To Arm The System:

Lock the door using either the power door lock switch (one door must be open) or the LOCK button on the Remote Keyless Entry (RKE) transmitter (doors can be open or closed), and close all doors.

The Vehicle Security Light in the instrument cluster will flash for 16 seconds. This shows that the Vehicle Security Alarm is arming. During this period, if a door is opened, the ignition is cycled to ON/RUN, or the power door locks are unlocked in any manner, the Vehicle Security Alarm will automatically disarm.

NOTE:

- The Vehicle Security Alarm will not arm if you lock the doors with the manual door lock plungers.
- Once armed, the Vehicle Security Alarm disables the unlock switch on the driver door trim panel and passenger door trim panel.

To Disarm The System:

Push the Key Fob UNLOCK button or cycle the ignition to the ON/RUN position.

The Vehicle Security Alarm is designed to protect your vehicle. However, you can create conditions where the Vehicle Security Alarm will give you a false alarm. If one of the previously described arming sequences has occurred, the Vehicle Security Alarm will arm regardless of whether you are in the vehicle or not. If you remain in the vehicle and open a door, the alarm will sound. If this occurs, disarm the Vehicle Security Alarm.

If the Vehicle Security Alarm is armed and the battery becomes disconnected, the Vehicle Security Alarm will remain armed when the battery is reconnected. The exterior lights will flash, and the horn will sound. If this occurs, disarm the Vehicle Security Alarm.

SEAT BELT SYSTEMS

Lap/Shoulder Belts

- All seating positions in your vehicle are equipped with lap/shoulder belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.
- Position the lap belt so that it is snug and lies low across your hips, below your abdomen. To remove slack in the lap belt portion, pull up on the shoulder belt. To loosen the lap belt if it is too tight, tilt the latch plate and pull on the lap belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision.
- Position the shoulder belt across the shoulder and chest with minimal, if any slack so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the shoulder belt.

Seat Belt Pretensioner

- The front seat belt system is equipped with pretensioning devices that are designed to remove slack from the seat belt in the event of a collision.
- A deployed pretensioner or a deployed air bag must be replaced immediately.

WARNING!

- In a collision, you and your passengers can suffer much greater injuries if you are not properly buckled up. You can strike the interior of your vehicle or other passengers, or you can be thrown out of the vehicle. Always be sure you and others in your vehicle are buckled up properly.
- A shoulder belt placed behind you will not protect you from injury during a collision. You are more likely to hit your head in a collision if you do not wear your shoulder belt. The lap and shoulder belt are meant to be used together.
- A seat belt that is too loose will not protect you properly. In a sudden stop, you could move too far forward, increasing the possibility of injury. Wear your seat belt snugly.
- A frayed or torn seat belt could rip apart in a collision and leave you with no protection. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system. Seat belt assemblies must be replaced after a collision.

SUPPLEMENTAL RESTRAINT SYSTEM (SRS) – AIR BAGS

Air Bag System Components

Your vehicle may be equipped with the following air bag system components:

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Advanced Front Air Bags
- Supplemental Side Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Belt Buckle Switch
- Seat Track Position Sensors

Advanced Front Air Bags

- This vehicle has Advanced Front Air Bags for both the driver and front passenger as a supplement to the seat belt restraint systems. The Advanced Front Air Bags will not deploy in every type of collision.
- Advanced Front Air Bags are designed to provide additional protection by supplementing the seat belts. Advanced Front Air Bags are not expected to reduce the risk of injury in rear, side, or rollover collisions.
- The Advanced Front Air Bags will not deploy in all frontal collisions, including some that may produce substantial vehicle damage — for example, some pole collisions, truck underrides, and angle offset collisions.
- On the other hand, depending on the type and location of impact, Advanced Front Air Bags may deploy in crashes with little vehicle front-end damage but that produce a severe initial deceleration.
- Because air bag sensors measure vehicle deceleration over time, vehicle speed and damage by themselves are not good indicators of whether or not an air bag should have deployed.
- Seat belts are necessary for your protection in all collisions, and also are needed to help keep you in position, away from an inflating air bag.
- After any collision, the vehicle should be taken to an authorized dealer immediately.
- Do not drive your vehicle after the air bags have deployed. If you are involved in another collision, the air bags will not be in place to protect you.
- If it is necessary to modify the air bag system for persons with disabilities, contact your authorized dealer.
- Refer to the Owner's Manual on the DVD for further details regarding the Supplemental Restraint System (SRS).

WARNING!

- Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work with your seat belt to restrain you properly. In some collisions, the air bags won't deploy at all. Always wear your seat belts even though you have air bags.
- Being too close to the steering wheel or instrument panel during Advanced Front Air Bag deployment could cause serious injury, including death. Air bags need room to inflate. Sit back, comfortably extending your arms to reach the steering wheel or instrument panel.
- No objects should be placed over or near the air bag on the instrument panel or steering wheel because any such objects could cause harm if the vehicle is in a collision severe enough to cause the air bag to inflate.

Supplemental Side Air Bags

- This vehicle is equipped with Supplemental Seat-Mounted Side Air Bags (SABs) that are located in the outboard side of the front seats. The SABs are marked with a SRS AIRBAG or AIRBAG label sewn into the outboard side of the seats.
- SABs are designed to activate in certain side impacts. The Occupant Restraint Controller ("ORC") determines whether the deployment of the SAB in a particular impact event is appropriate, based on the severity and type of collision. Vehicle damage by itself is not a good indicator of whether or not SABs should have deployed.

WARNING!

- SABs need room to inflate. Do not lean against the door or window. Sit upright in the center of the seat.
- Being too close to the SABs during deployment could cause you to be severely injured or killed.
- Relying on the SABs alone could lead to more severe injuries in a collision. The SABs work with your seat belt to restrain you properly. In some collisions, SABs won't deploy at all. Always wear your seat belt even though you have SABs.
- Do not use accessory seat covers or place objects between you and the SABs; the performance could be adversely affected and/or objects could be pushed into you, causing serious injury.

Enhanced Accident Response System

In the event of an impact, if the communication network remains intact, and the power remains intact, depending on the nature of the event, the ORC will determine whether to have the Enhanced Accident Response System perform the following functions:

- Cut off fuel to the engine.
- Flash hazard lights as long as the battery has power or until the hazard light button is pushed. The hazard lights can be deactivated by pushing the hazard light button.
- Turn on the interior lights, which remain on as long as the battery has power.
- Unlock the power door locks.

Enhanced Accident Response System Reset Procedure

In order to reset the Enhanced Accident Response System functions after an event, the ignition switch must be changed from ignition START or ON/RUN to ignition OFF. Carefully check the vehicle for fuel leaks in the engine compartment and on the ground near the engine compartment and fuel tank before resetting the system and starting the engine.

Air Bag Warning Light

- The air bags must be ready to inflate for your protection in a collision. The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with air bag system electrical components.
- The ORC monitors the readiness of the electronic parts of the air bag system whenever the ignition switch is in the START or ON/RUN position. If the ignition switch is in the OFF position or in the ACC position, the air bag system is not on and the air bags will not inflate.
- The ORC turns on the Air Bag Warning Light in the instrument panel for approximately four to eight seconds for a self-check when the ignition switch is first turned to the ON/RUN position. After the self-check, the Air Bag Warning Light will turn off. If the ORC detects a malfunction in any part of the system, it turns on the Air Bag Warning Light, either momentarily or continuously. A single chime will sound to alert you if the light comes on again after initial startup.
- If the Air Bag Warning Light in the instrument panel is not on during the four to eight seconds when the ignition switch is first turned to the ON/RUN position, stays on, or turns on while driving, have the vehicle serviced by an authorized service center immediately.

NOTE:
If the speedometer, tachometer, or any engine related gauges are not working, the Occupant Restraint Controller (ORC) may also be disabled. In this condition the air bags may not be ready to inflate for your protection. Have an authorized dealer service the air bag system immediately.

Event Data Recorder (EDR)

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE:
EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

CHILD RESTRAINTS

Children 12 years or younger should ride properly buckled up in a rear seat, if available. According to crash statistics, children are safer when properly restrained in the rear seats rather than in the front.

Every state in the United States and all Canadian provinces require that small children ride in proper restraint systems. This is the law, and you can be prosecuted for ignoring it.

NOTE:

- For additional information, refer to www.Seatcheck.org or call 1-866-SEATCHECK (1-866-732-8243).
- Canadian residents should refer to Transport Canada's website for additional information:
  http://www.tc.gc.ca/eng/motorvehiclesafety/safedrivers-childsafety-index-53.htm

LATCH – Lower Anchors And Tethers For CHildren (Four Door Models)

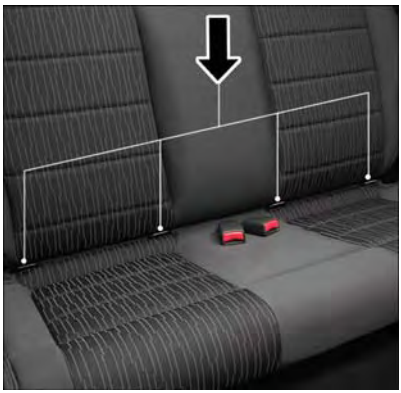
- Your vehicle is equipped with the child restraint anchorage system called LATCH, which stands for Lower Anchors and Tethers for CHildren.
- The rear outboard seating positions have lower anchors and top tether anchors. The rear center seating position has a top tether anchor only.

LATCH – Lower Anchors And Tethers For CHildren (Two Door Models)

- Your vehicle is equipped with the child restraint anchorage system called LATCH, which stands for Lower Anchors and Tethers for CHildren.
- All rear seating positions have lower anchors and top tether anchors.

LATCH Weight Limit

You may use the LATCH anchorage system until the combined weight of the child and the child restraint is 65 lbs (29.5 kg). Use the seat belt and tether anchor instead of the LATCH system once the combined weight is more than 65 lbs (29.5 kg).



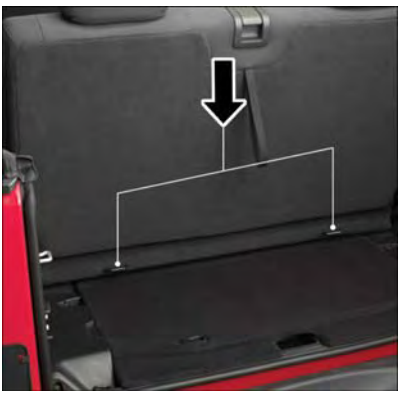
Lower Anchors

Locating LATCH Anchorages

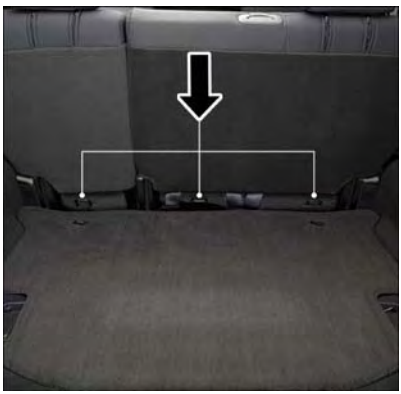
The lower anchorages are round bars that are found at the rear of the seat cushion where it meets the seatback, below the anchorage symbols on the seatback. They are just visible when you lean into the rear seat to install the child restraint. You will easily feel them if you run your finger along the gap between the seatback and seat cushion.

Locating Tether Anchorages

- In addition, there are tether strap anchors located behind each rear seatback, near the floor.



Two Door Vehicle Tether Locations



Four Door Vehicle Tether Locations

Center Seat LATCH (Two-Door Models)

WARNING!

This vehicle does not have a center seating position. Do not use the center lower LATCH anchorages to install a child seat in the center of the back seat.

Center Seat LATCH (Four-Door Models)

Do not install child restraints with rigid lower attachments in the center seating position. Only install this type of child restraint in the outboard seating positions. Child restraints with flexible, webbing mounted lower attachments can be installed in any rear seating position. In the center position, the inner anchorages are 19 inches (484 mm) apart.

Installing The Child Restraint Using The LATCH Lower Anchors

NOTE:
Never "share" a LATCH anchorage with two or more child restraints.

1. Loosen the adjusters on the lower straps and on the tether strap of the child seat so that you can more easily attach the hooks or connectors to the vehicle anchorages.
2. Attach the lower hooks or connectors of the child restraint to the lower anchorages in the selected seating position.
3. If the child restraint has a tether strap, connect it to the top tether anchorage. See below for directions to attach a tether anchor.
4. Tighten all of the straps as you push the child restraint rearward and downward into the seat. Remove slack in the straps according to the child restraint manufacturer's instructions.
5. Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

Installing The Child Restraint Using The Vehicle Seat Belts

The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) that is designed to keep the lap portion of the seat belt tight around the child restraint. Any seat belt system will loosen with time, so check the belt occasionally, and pull it tight if necessary.

Tether Anchorage Weight Limit

Always use the tether anchor when using the seat belt to install a forward facing child restraint, up to the recommended weight limit of the child restraint.

To Install A Child Seat Using An ALR:

1. Pull enough of the seat belt webbing from the retractor to pass it through the belt path of the child restraint. Do not twist the belt webbing in the belt path.
2. Slide the latch plate into the buckle until you hear a "click."
3. Pull on the webbing to make the lap portion tight against the child seat.
4. To lock the seat belt, pull down on the shoulder part of the belt until you have pulled all the seat belt webbing out of the retractor. Then, allow the webbing to retract back into the retractor. As the webbing retracts, you will hear a clicking sound. This means the seat belt is now in the Automatic Locking mode.
5. Try to pull the webbing out of the retractor. If it is locked, you should not be able to pull out any webbing. If the retractor is not locked, repeat the last step.
6. Finally, pull up on any extra webbing to tighten the lap portion around the child restraint while you push the child restraint rearward and downward into the vehicle seat.
7. If the child restraint has a top tether strap and the seating position has a top tether anchorage, connect the tether strap to the anchorage and tighten the tether strap. See below for directions to attach a tether anchor.
8. Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

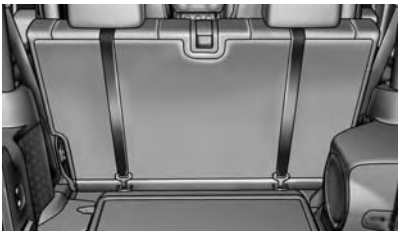
Installing The Top Tether Strap (With Either Lower Anchors Or Vehicle Seat Belt):

When installing a forward-facing child restraint, always secure the top tether strap, up to the tether anchor weight limit, whether the child restraint is installed with the lower anchors or the vehicle seat belt.

Tether Strap Installation

1. Route the tether strap to provide the most direct path for the strap between the anchor and the child seat.
2. If your vehicle is equipped with adjustable rear head restraints, raise the head restraint, and where possible, route the tether strap under the head restraint and between the two posts. If not possible, lower the head restraint and pass the tether strap around the outboard side of the head restraint.

3. Attach the tether strap hook of the child restraint to the top tether anchorage and remove slack in the tether strap according to the child restraint manufacturer's instructions.



Tether Strap Mounting (Two-Door Models)

Tether Strap Mounting (Four-Door Models)

WARNING!

- In a collision, an unrestrained child, even a tiny baby, can become a projectile inside the vehicle. The force required to hold even an infant on your lap could become so great that you could not hold the child, no matter how strong you are. The child and others could be severely injured or killed. Any child riding in your vehicle should be in a proper restraint for the child's size.
- Never place a rear-facing child restraint in front of an air bag. A deploying Passenger Advanced Front Air Bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Only use a rear-facing child restraint in a vehicle with a rear seat.
- Improper installation of a child restraint to the LATCH anchorages can lead to failure of an infant or child restraint. The child could be severely injured or killed. Follow the manufacturer's directions exactly when installing an infant or child restraint.
- An incorrectly anchored tether strap could lead to increased head motion and possible injury to the child. Use only the anchor positions directly behind the child seat to secure a child restraint top tether strap.
- If your vehicle is equipped with a split rear seat, make sure the tether strap does not slip into the opening between the seatbacks as you remove slack in the strap.

HEAD RESTRAINTS

Head restraints are designed to reduce the risk of injury by restricting head movement in the event of a rear impact. Head restraints should be adjusted so that the top of the head restraint is located above the top of your ear.

WARNING!

The head restraints for all occupants must be properly installed and adjusted prior to operating the vehicle or occupying a seat. Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Front Head Restraints

To raise the head restraint, pull upward on the head restraint. To lower the head restraint, push the adjustment button located on the base of the head restraint, and push downward on the head restraint.

To remove the head restraint, raise it as far as it can go then push the adjustment button and the release button at the base of each post while pulling the head restraint up. To reinstall the head restraint, put the head restraint posts into the holes and push downward. Then adjust it to the appropriate height.

WARNING!

- A loose head restraint thrown forward in a collision or hard stop could cause serious injury or death to occupants of the vehicle. Always securely stow removed head restraints in a location outside the occupant compartment.
- ALL the head restraints MUST be reinstalled in the vehicle to properly protect the occupants. Follow the re-installation instructions above prior to operating the vehicle or occupying a seat.

NOTE:
Do not reposition the head restraint 180 degrees to the incorrect position in an attempt to gain additional clearance to the back of the head.

Rear Head Restraints — 2 Door Model

The rear seat head restraints are not adjustable. They can be removed to make it easier to take out the rear seat. To remove the head restraint, push the button on each of the two head restraint guides and pull upward on the head restraint. Replace the head restraint before driving the vehicle with passengers in the rear seat. To replace the head restraint, insert the head restraint rods into the guides and push downward on the head restraint until locked.

WARNING!

- Do not drive the vehicle without the rear seat head restraints installed while passengers are occupying the rear seat. In a collision, people riding in this area without the head restraints installed are more likely to be seriously injured or killed.
- A loose head restraint thrown forward in a collision or hard stop could cause serious injury or death to occupants of the vehicle. Always securely stow removed head restraints in a location outside the occupant compartment.
- ALL the head restraints MUST be reinstalled in the vehicle to properly protect the occupants. Follow the re-installation instructions above prior to operating the vehicle or occupying a seat.

NOTE:
Do not reposition the head restraint 180 degrees to the incorrect position in an attempt to gain additional clearance to the back of the head.

Rear Head Restraints — 4 Door Model

The rear seat is equipped with nonadjustable head restraints.

FRONT SEATS

Front Seat Adjustment

The seat can be adjusted forward or rearward by using a bar located by the front of the seat cushion, near the floor. While sitting in the seat, lift up on the bar located under the seat cushion and move the seat forward or rearward. Release the bar once you have reached the desired position. Then, using body pressure, move forward and rearward on the seat to be sure that the seat adjusters have latched.

Adjusting Bar Location

WARNING!

- Adjusting a seat while driving may be dangerous. Moving a seat while driving could result in loss of control which could cause a collision and serious injury or death.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked. Serious injury or death could result from a poorly adjusted seat belt.

Manual Seat Height Adjustment — If Equipped

The driver's seat height can be raised or lowered by using the ratcheting handle, located on the outboard side of the seat. Pull upward on the handle to raise the seat, push downward on the handle to lower the seat.

Front Seatback Recline

Lean forward before lifting the handle, then lean back to the desired position and release the handle. Lift the handle to return the seatback to an upright position.

Seat Height/Recline Lever

1 — Seat Height Adjustment
2 — Recline Lever

WARNING!

Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

Front Passenger Easy Entry Seat — Two-Door Models

Pull upward on the recline lever (toward the rear of the vehicle) and slide the entire seat forward.

To return the seat to a sitting position, rotate the seatback upright until it locks and push the seat rearward until the track locks.

NOTE:

- The front passenger seats have a track memory, which returns the seat to just past the halfway point of the track regardless of its original position.
- The recliner and easy entry levers should not be used during the automatic returning of the seat to its sitting position.

Easy Entry Lever

REAR SEATS

Folding Rear Seat

- Be sure that the front seats are fully upright and positioned forward. This will allow the rear seat to fold down easily.

To Fold The Rear Seat — 2 Door Model

- Lift the seatback release lever and fold the seatback forward.
- Slowly flip the entire seat forward.

To Raise The Rear Seat

- Lift up on the seatback to return it to the upright position.

Seatback Release Lever

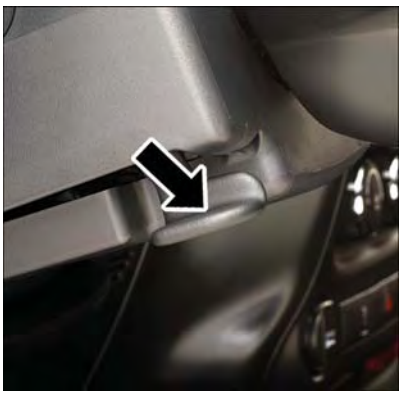
WARNING!

- It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be severely injured or killed. Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts. Be sure everyone in your vehicle is in a seat and using a seat belt properly.
- Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position, the seat will not provide the proper stability for child seats and/or passengers. An improperly latched seat could cause you or others to be severely injured or killed.

TILT STEERING COLUMN

This feature allows you to tilt the steering column upward or downward. The tilt lever is located on the steering column, below the turn signal lever.

Push down on the lever to unlock the steering column. With one hand firmly on the steering wheel, move the steering column up or down, as desired. Pull upwards on the lever to lock the column firmly in place.



Tilt Steering Column Lever

WARNING!

Do not adjust the steering column while driving. Adjusting the steering column while driving or driving with the steering column unlocked, could cause the driver to lose control of the vehicle. Failure to follow this warning may result in serious injury or death.

HEATED SEATS

On some models, the front driver and passenger seats may be equipped with heaters in both the seat cushions and seatbacks.

There are two heated seat switches that allow the driver and passenger to operate the seats independently. The controls for each seat are located on a switch bank near the bottom center of the instrument panel.

Front Heated Seat Switches

You can choose from HI, LO or OFF heat settings. Amber indicator lights in each switch indicate the level of heat in use. Two indicator lights will illuminate for HI, one for LO and none for OFF.

Push the switch once to select HI-level heating. Push the switch a second time to select LO-level heating. Push the switch a third time to shut the heating elements OFF.

When the HI-level setting is selected, the heater will provide a boosted heat level during the initial stages of operation. Then, the heat output will drop to the normal HI-level. If the HI-level setting is selected, the system will automatically switch to LO-level after approximately 30 minutes of continuous operation. At that time, the number of illuminated LEDs changes from two to one, indicating the change. The LO-level setting will turn OFF automatically after approximately 30 minutes.

NOTE:
When a heat setting is selected, heat will be felt within two to five minutes.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical condition must exercise care when using the seat heater. It may cause burns even at low temperatures, especially if used for long periods of time.
- Do not place anything on the seat or seatback that insulates against heat, such as a blanket or cushion. This may cause the seat heater to overheat. Sitting in a seat that has been overheated could cause serious burns due to the increased surface temperature of the seat.

ENGINE BREAK-IN RECOMMENDATIONS

A long break-in period is not required for the engine and drivetrain (transmission and axle) in your vehicle.

Drive moderately during the first 300 miles (500 km). After the initial 60 miles (100 km), speeds up to 50 or 55 mph (80 or 90 km/h) are desirable.

While cruising, brief full-throttle acceleration within the limits of local traffic laws contributes to a good break-in. Wide-open throttle acceleration in low gear can be detrimental and should be avoided.

The engine oil installed in the engine at the factory is a high-quality energy conserving type lubricant. Oil changes should be consistent with anticipated climate conditions under which vehicle operations will occur. Refer to "Maintaining Your Vehicle," for the recommended viscosity and quality grades.

NOTE:
A new engine may consume some oil during its first few thousand miles (kilometers) of operation. This should be considered a normal part of the break-in and not interpreted as an indication of an engine problem or malfunction.

CAUTION!
Never use Non-Detergent Oil or Straight Mineral Oil in the engine or damage may result.

TURN SIGNAL/LIGHTS LEVER

Headlights And Parking Lights

Turn the end of the multifunction lever to the first detent for parking light operation. Turn to the second detent for headlight operation.

Instrument Panel Dimmer

- Rotate the center portion of the lever to the extreme bottom position to fully dim the instrument panel lights and prevent the interior lights from illuminating when a door is opened.
- Rotate the center portion of the lever up to increase the brightness of the instrument panel lights when the parking lights or headlights are on.

Multifunction Lever

- Rotate the center portion of the lever upward to the next detent position to brighten the odometer and radio controls when the parking lights or headlights are on.
- Rotate the center portion of the lever upward to the last detent to turn on the interior lighting.

Flash-To-Pass

You can signal another vehicle with your headlights by lightly pulling the multifunction lever toward you. This will turn on the high beams headlights until the lever is released.

High/Low Beam Switch

Push the multifunction lever away from you to switch the headlights to high beam. Pull the lever toward you, to switch the headlights back to low beam.

Front Fog Lights

The front fog light switch is located on the multifunction lever. To activate the front fog lights, turn on the parking or low beam headlights and pull out the end of the lever.

NOTE:
The fog lights will only operate with the parking lights or the headlights on low beam. Selecting high beam headlights will turn off the fog lights.

Turn Signals

Move the multifunction lever up or down and the arrows on each side of the instrument cluster flash to show proper operation of the front and rear turn signal lights.

NOTE:

- If either light remains on and does not flash, or there is a very fast flash rate, check for a defective outside light bulb. If an indicator fails to light when the lever is moved, it would suggest that the indicator bulb is defective.
- A tone will chime if the turn signals are left on for more than 1 mile (2 km).

Lane Change Assist

Tap the lever up or down once, without moving beyond the detent, and the turn signal (right or left) will flash three times then automatically turn off.

WIPER/WASHER LEVER

Windshield Wiper Operation

Rotate the end of the lever upward to the second detent past the intermittent settings for low-speed wiper operation. Rotate the end of the lever upward to the third detent past the intermittent settings for high-speed wiper operation.

Wiper/Washer Lever

CAUTION!

In cold weather, always turn off the wiper switch and allow the wipers to return to the park position before turning off the engine. If the wiper switch is left on and the wipers freeze to the windshield, damage to the wiper motor may occur when the vehicle is restarted.

Intermittent Wiper System

Use the intermittent wiper when weather conditions make a single wiping cycle, with a variable pause between cycles, desirable. Rotate the end of the lever to the first detent position for one of five intermittent settings. The delay cycle can be set anywhere between 1 to 18 seconds.

NOTE:
The wiper delay times depend on vehicle speed. If the vehicle is moving less than 10 mph (16 km/h), delay times will be doubled.

Windshield Washers

To use the washer, pull the lever toward you and hold while spray is desired. If the lever is pulled while in the delay range, the wiper will start and continue to operate for two or three wipe cycles after the lever is released, and then resume the intermittent interval previously selected.

If the lever is pulled while in the off position, the wipers will operate for two or three wipe cycles and then turn off.

WARNING!

Sudden loss of visibility through the windshield could lead to a collision. You might not see other vehicles or other obstacles. To avoid sudden icing of the windshield during freezing weather, warm the windshield with defroster before and during windshield washer use.

Mist Feature

Push down on the wiper lever to activate a single wipe to clear off road mist or spray from a passing vehicle. As long as the lever is held down, the wipers will continue to operate.

NOTE:
The mist feature does not activate the washer pump; therefore, no washer fluid will be sprayed on the windshield. The wash function must be used in order to spray the windshield with washer fluid.

Rear Window Wiper/Washer — If Equipped

A rotary switch on the center portion of the control lever (located on the right side of the steering column) controls the operation of the rear wiper/washer function.

Rotate the switch upward to the first detent position for rear wiper operation.

Rotate the switch upward past the first detent to activate the rear washer. The washer pump and the wiper will continue to operate as long as the switch is held. Upon release, the wiper will cycle two to three times before returning to the set position.

If the rear wiper is operating when the ignition is turned to the LOCK position, the wiper will automatically return to the "Park" position. When the vehicle is restarted, the wiper will resume function at whichever position the switch is set at.

ELECTRONIC SPEED CONTROL

When engaged, the Electronic Speed Control takes over accelerator operations at speeds greater than 25 mph (40 km/h).

The Electronic Speed Control buttons are located on the right side of the steering wheel.

NOTE:
In order to ensure proper operation, the Electronic Speed Control System has been designed to shut down if multiple Speed Control functions are operated at the same time. If this occurs, the Electronic Speed Control System can be reactivated by pushing the Electronic Speed Control ON/OFF button and resetting the desired vehicle set speed.

To Activate

Push the ON/OFF button. The Cruise Indicator Light in the instrument cluster will illuminate. To turn the system off, push the ON/OFF button a second time. The Cruise Indicator Light will turn off. The system should be turned off when not in use.

Electronic Speed Control Buttons

1 — Push Cancel
2 — Push On/Off
3 — Push Resume/Accel
4 — Push Set/Decel

WARNING!

Leaving the Electronic Speed Control system on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. You could lose control and have an accident. Always leave the system OFF when you are not using it.

To Set A Desired Speed

Turn the Electronic Speed Control ON. When the vehicle has reached the desired speed, push the SET (-) button and release. Release the accelerator and the vehicle will operate at the selected speed.

NOTE:
The vehicle should be traveling at a steady speed and on level ground before pushing the SET (-) button.

To Deactivate

A soft tap on the brake pedal, pushing the CANCEL button, or normal brake pressure while slowing the vehicle will deactivate the Electronic Speed Control without erasing the set speed from memory.

Pushing the ON/OFF button or turning the ignition switch OFF erases the set speed from memory.

To Resume Speed

To resume a previously set speed, push the RES (+) button and release. Resume can be used at any speed above 20 mph (32 km/h).

To Vary The Speed Setting

To Increase Speed

When the Electronic Speed Control is set, you can increase speed by pushing the RES (+) button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" in the Owner's Manual on the DVD for more information. The speed increment shown is dependant on the chosen speed unit of U.S. (mph) or Metric (km/h):

U.S. Speed (mph)

- Pushing the RES (+) button once will result in a 1 mph increase in set speed. Each subsequent tap of the button results in an increase of 1 mph.
- If the button is continually pushed, the set speed will continue to increase until the button is released, then the new set speed will be established.

Metric Speed (km/h)

- Pushing the RES (+) button once will result in a 1 km/h increase in set speed. Each subsequent tap of the button results in an increase of 1 km/h.
- If the button is continually pushed, the set speed will continue to increase until the button is released, then the new set speed will be established.

To Decrease Speed

When the Electronic Speed Control is set, you can decrease speed by pushing the SET (-) button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" in the Owner's Manual on the DVD for more information. The speed decrement shown is dependant on the chosen speed unit of U.S. (mph) or Metric (km/h):

U.S. Speed (mph)

- Pushing the SET (-) button once will result in a 1 mph decrease in set speed. Each subsequent tap of the button results in a decrease of 1 mph.
- If the button is continually pushed, the set speed will continue to decrease until the button is released, then the new set speed will be established.

Metric Speed (km/h)

- Pushing the SET (-) button once will result in a 1 km/h decrease in set speed. Each subsequent tap of the button results in a decrease of 1 km/h.
- If the button is continually pushed, the set speed will continue to decrease until the button is released, then the new set speed will be established.

To Accelerate For Passing

Press the accelerator as you would normally. When the pedal is released, the vehicle will return to the set speed.

Using Electronic Speed Control On Hills

The transmission may downshift on hills to maintain the vehicle set speed.

NOTE:
The Electronic Speed Control system maintains speed up and down hills. A slight speed change on moderate hills is normal.

On steep hills, a greater speed loss or gain may occur so it may be preferable to drive without Electronic Speed Control.

WARNING!

Electronic Speed Control can be dangerous where the system cannot maintain a constant speed. Your vehicle could go too fast for the conditions, and you could lose control and have an accident. Do not use Electronic Speed Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.

MANUAL CLIMATE CONTROLS

Manual Climate Controls

1 — Rotate Blower Control
2 — Push Air Recirculation Button
3 — Rotate Temperature Control
4 — Push A/C Button
5 — Rotate Mode Control
6 — Push Rear Window Defroster Button

Air Recirculation

Use Recirculation for maximum A/C operation.

For window defogging, turn the Recirculation button off.

Recirculation is allowed in floor and defrost/floor (mix modes) for approximately five minutes.

Heated Mirrors

The mirrors are heated to melt frost or ice. This feature is activated whenever you turn on the rear window defroster.

AUTOMATIC TEMPERATURE CONTROLS (ATC)

Automatic Temperature Controls

1 — Rotate Blower Control
2 — Push Air Recirculation Button
3 — Rotate Temperature Control
4 — Push A/C Button
5 — Rotate Mode Control
6 — Push Rear Window Defroster Button

Automatic Operation

- Turn the Mode and Blower Controls to the AUTO position.
- Select the desired temperature by rotating the Temperature Control.
- The system will maintain the set temperature automatically.

Air Conditioning (A/C)

- If the air conditioning button is pushed while in AUTO mode, the indicator light will flash three times to indicate the cabin air is being controlled automatically.

Air Recirculation

- Use Recirculation for maximum A/C operation.
- For window defogging, turn the Recirculation button off.
- If the Recirculation button is pushed while in the AUTO mode, the indicator light may flash three times to indicate the cabin air is being controlled automatically.

Heated Mirrors

The mirrors are heated to melt frost or ice. This feature is activated whenever you turn on the rear window defroster.

SUNRIDER AND SOFT TOP

Two Door Sunrider Open

Follow these simple steps to open the Sunrider feature.

1. Unclip and move the sun visors to the side.
2. Release the header latches from the loops on the windshield frame.

Step 2

3. Make sure to slide the plastic sleeves forward to unlock the Sunrider links.

Step 3

4. Grasp the header and lift the top back. Make sure the material is folded back as shown.

Step 4

5. Locate the straps to secure the side bows. Wrap the straps around the bows as shown. Repeat on the other side.
6. Reposition the sun visors.

NOTE:
If you are going to be driving faster than 40 mph (64 km/h) with the Sunrider feature open, it is recommended that you remove the rear window of the vehicle.

- To close the Sunrider feature, perform the above steps in the opposite order.

Step 5

Two Door Soft Top Down

Follow these simple steps to lower the Two Door soft top.

1. Remove the side and back windows.

Step 1

2. Fold and place the Sail Panels on top of your Wrangler.

Step 2

3. Release header latches from the windshield frame.

Step 3

4. Make sure the plastic sleeves are slid rearward over the Sunrider link to lock in the link (Sunrider Models only).

Step 4

5. Release the Sunrider latch (both sides).

Step 5

6. Open the swing gate and lower the top.

NOTE:
Ensure the fabric does not overhang the sides of the vehicle.

- To raise the soft top, perform the above steps in the opposite order.

Step 6

Four Door Sunrider Down

Follow these simple steps to open the Sunrider feature.

1. Unclip and move the sun visors to the side.
2. Release the header latches from the loops on the windshield frame.

Step 2

3. Grasp the front side bow behind the header, and lift the top.

Step 3

4. Fold the top so that the material forms a "W" as shown. Enter the vehicle and move the material into two folds.

Step 4

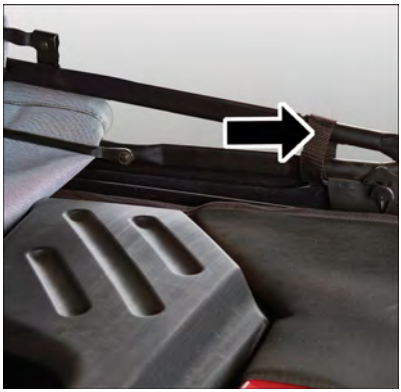
5. Fold back the front section of the top and gently rest the header on top of the rear portion of the deck.

Step 5

6. Secure the top by using the two provided straps. Each strap will wrap around the side bow and Velcro to itself; use one strap on each side of the vehicle.

NOTE:

- Failure to fold the fabric rearward will allow the material to sag and may block the rearview mirror.
- If you are going to be driving faster than 40 mph (64 km/h) with the Sunrider feature open, it is recommended that you remove the rear window of the vehicle.
- To close the Sunrider feature, perform the above steps in the opposite order.



Step 6

Four Door Soft Top Down

Follow these simple steps to lower the Four Door soft top.

1. Remove the side and back windows.

Step 1

2. Fold and place the Sail Panels on top of your Wrangler.

Step 2

3. Release header latches from the windshield frame.

Step 3

4. Fold header rearward, pulling the fabric to the rear.

Step 4

5. Fold the top so that the material forms a "W" as shown. Enter the vehicle and move the material into two folds.

Step 5

6. Release Sunrider latch (both sides).

Step 6

Step 6

7. Open the swing gate and lower the top.

NOTE:
Ensure the fabric does not overhang the sides of the vehicle.

- To raise the soft top, perform the above steps in the opposite order.

Step 7

CAUTION!

- Do not run a fabric top through an automatic car wash. Window scratches and wax buildup may result.
- Do not lower the top when the temperature is below 41°F (5°C). Damage to the top may result.
- Do not lower the top when the windows are dirty. Grit may scratch the window.
- Do not move your vehicle until the top has been either fully attached to the windshield frame, or fully lowered.
- The soft top is not designed to carry any additional loads such as roof racks, spare tires, building, hunting, or camping supplies, and/or luggage, etc. Also, it was not designed as a structural member of the vehicle and, thus, cannot properly carry any additional loads other than environmental (rain, snow, etc.).

WARNING!

- Do not drive the vehicle with the rear window curtain up unless the side curtains are also open. Dangerous exhaust gases which can kill could enter the vehicle.
- The fabric upper doors and fabric top are designed only for protection against the elements. Do not rely on them to contain occupants within the vehicle or to protect against injury during an accident. Remember, always wear seat belts.

HARD TOP AND FREEDOM TOP

Freedom Top Removal

Follow these simple steps to remove the front panels.

1. Fold down the sun visor, and move it to the side.
2. Turn the rear fasteners (knobs) (located on the overhead speaker bar assembly) counterclockwise until they can be removed.

Step 2

3. Turn the center L-shaped locks (two) from the center of the roof panel.

Step 3

4. Turn the rear L-shaped lock (located above the shoulder belt anchorage).

Step 4

5. Unlatch the header panel latch located at the top of the windshield.
6. Remove the left-hand panel.

- To remove the right panel, follow the steps above except for Step 3.

NOTE:

- The left panel must be removed before removing right panel.
- Vehicles equipped with a Freedom Top, come with a Freedom Top storage bag that allows you to store your Freedom Top panels. Refer to the Owner's Manual on the DVD for details.

Step 5

Hard Top Removal

Follow these simple steps to remove the hard top.

1. Remove both front panels. Refer to “Front Panel(s) Removal” above.
2. Open both doors.
3. Remove the two Torx head screws that secure the hard top at the B-pillar (near the top of the door) using a #40 Torx head driver (Four–Door Only).
4. Remove the six Torx head screws that secure the hard top to the vehicle (along the interior bodyside) using a #40 Torx head driver.
5. Open the swing gate all the way to ensure clearance of the rear window glass. Lift the rear window glass.
6. Locate and disconnect the wire harness on the left rear inside corner of the vehicle.
7. Remove the washer hose (next to the wire harness) by pinching the grips on hose connector and pull downward.
8. Close the swing gate.
9. Remove the hard top from the vehicle. Place the hard top on a soft surface to prevent damage.

Step 6

CAUTION!

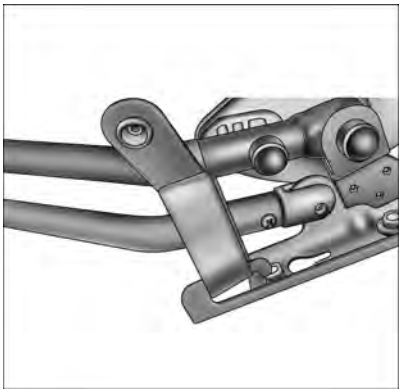
- The front panel(s) must be positioned properly to ensure sealing. Improper installation can cause water to leak into the vehicles interior.
- The hard top assembly must be positioned properly to ensure sealing. Improper installation can cause water to leak into the vehicles interior.
- The hard top is not designed to carry any additional loads such as roof racks, spare tires, building, hunting, or camping supplies, and/or luggage, etc. Also, it was not designed as a structural member of the vehicle, and thus cannot properly carry any additional loads other than environmental (rain, snow, etc.).
- Do not move your vehicle until the top has been either fully attached to the windshield frame and bodyside, or fully removed.
- The removal of the hard top requires four adults located on each corner. Failure to follow this caution could damage the hard top.

DUAL TOP – IF EQUIPPED

- If your vehicle is equipped with a Dual Top, you must remove one of the tops from the vehicle.
- **Two Door** - If the soft top is removed, the pivot brackets must also be removed from the sport bar.
- **Four Door** - If the soft top is removed, **ensure that the pivot bracket strap is installed onto the Soft Top pivot bracket before removing the soft top from the vehicle.** Remove the fasteners between the Soft Top pivot bracket and the attach bracket to the sport bar.
- The soft top was installed at the factory for shipping purposes only.

NOTE:
The soft top and the hard top are to be used independently.

- Refer to the Understanding The Features Of Your Vehicle section of your vehicle's Owner's Manual on the DVD for further details.



Pivot Bracket Strap

WIND BUFFETING

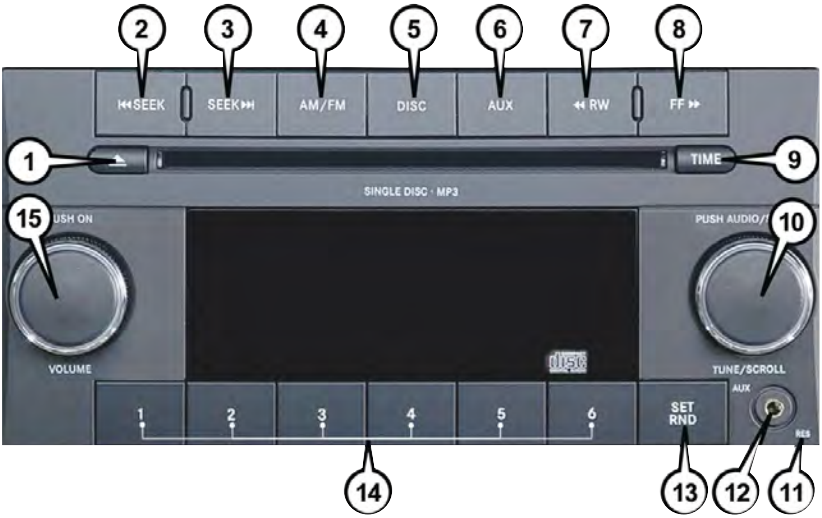
Wind buffeting can be described as a helicopter-type percussion sound. If buffeting occurs with the rear windows open, adjust the front and rear windows together.

YOUR VEHICLE'S SOUND SYSTEM

1. Uconnect Voice Command Button pg. 83
2. Uconnect Phone Button pg. 80
3. Steering Wheel Audio Controls (Left – Behind Steering Wheel) pg. 79
4. Volume Knob/ON Button
5. Eject Button

6. Steering Wheel Audio Controls (Right – Behind Steering Wheel) pg. 79
7. Uconnect Radio pg. 56
8. Tune/Scroll Knob/Browse/Enter Button
9. Audio Jack pg. 79
10. USB Port (Inside Console) pg. 79

UCONNECT 130



Uconnect 130

1 — CD Eject Button
2 — Seek Down Button
3 — Seek Up Button
4 — AM/FM Button
5 — Disc Mode Button
6 — AUX Mode Button
7 — Rewind Button
8 — Fast Forward Button
9 — Set Clock Button
10 — Audio Settings/Rotate To Tune
11 — Radio Sales Code
12 — Audio Jack
13 — Set Preset/CD Random Play
14 — Station Presets Buttons
15 — ON/OFF/Rotate For Volume

NOTE:

- Your radio has many features that add to the comfort and convenience for you and your passengers.
- Some of these radio features should not be used when driving because they take your eyes from the road or your attention from driving.

Clock Setting

1. Push and hold the TIME button until the hours blink.
2. Turn the TUNE/SCROLL control knob to set the hours.
3. Push the TUNE/SCROLL control knob until the minutes begin to blink.
4. Turn the TUNE/SCROLL control knob to set the minutes.

5. Push the TUNE/SCROLL control knob to save the changes.
6. Push any button/knob or wait five seconds to exit.

Equalizer, Balance And Fade

1. Push the TUNE/SCROLL control knob and "BASS" will display.
2. Rotate the TUNE/SCROLL control knob to select the desired setting.
3. Continue pushing the TUNE/SCROLL control knob to display and set "MID RANGE," "TREBLE," "BALANCE" and "FADE."

Radio Operation

Seek Up/Down Buttons

- Push the seek up or down button to seek through radio stations in AM or FM bands.
- Hold either button to bypass stations without stopping.

Store Radio Presets Manually

- Tune to the desired station.
- Push the SET/RND or SET (depending on the radio) button once and SET 1 will show in the display. Then select a preset button (1–6).
- A second station may be added to each push button. Push the SET/RND or SET (depending on the radio) button twice and SET 2 will show in the display. Then select a preset button (1–6).

CD/DISC Operation

Seek Up/Down Buttons

- Push to seek through CD tracks.
- Hold either button to bypass tracks without stopping.

SET/RND Or RND (Depending On Radio) Button (Random Play)

- Push this button while the CD is playing to activate Random Play.
- This feature plays the selections on the CD in random order to provide an interesting change of pace.

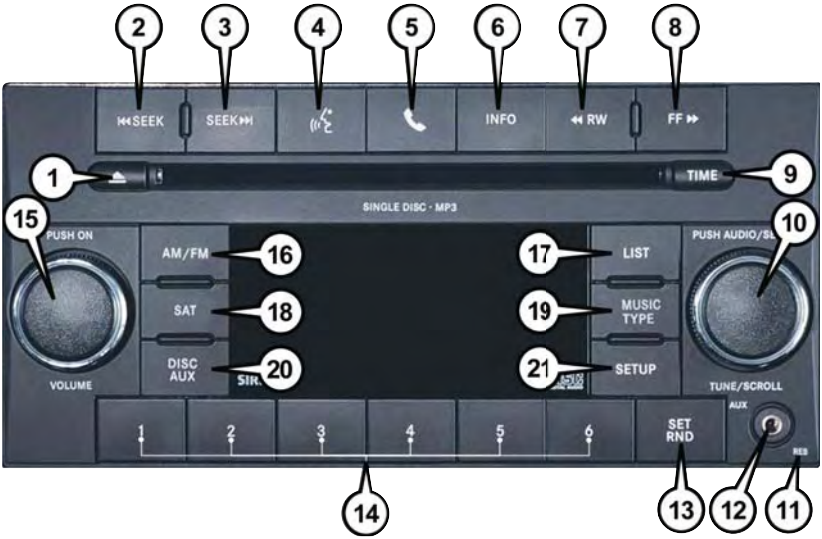
Audio Jack Operation

The AUX/Audio Jack provides a means to connect a portable audio device, such as an MP3 player or an iPod, to the vehicle's sound system. This requires the use of a 3.5 mm stereo audio patch cable.

- Pushing the AUX button will change the mode to auxiliary device if the Audio Jack is connected, allowing the music from your portable device to play through the vehicle's speakers.

The functions of the portable device are controlled using the device buttons, not the buttons on the radio. However, the volume may be controlled using the radio or portable device.

UCONNECT 130 WITH SiriusXM SATELLITE RADIO



Uconnect 130 With SiriusXM Satellite Radio

1 — CD Eject Button
2 — Seek Down Button
3 — Seek Up Button
4 — Voice Command Button
5 — Uconnect Phone Button
6 — Station Info Button
7 — Rewind Button
8 — Fast Forward Button
9 — Set Clock Button
10 — Audio Settings/Rotate To Tune
11 — Radio Sales Code
12 — Audio Jack
13 — Set Preset/CD Random Play
14 — Station Preset Buttons
15 — ON/OFF/Rotate For Volume
16 — AM/FM Mode Button
17 — List Folders On A CD
18 — Satellite Radio Button
19 — Music Type Button
20 — Disc Mode Button
21 — Set Up Function Button

NOTE:

- Your radio may not be equipped with the Uconnect Voice Command and Uconnect Phone features. To determine if your radio has these features, push the Voice Command button on the radio. You will hear a voice prompt if you have the feature, or see a message on the radio stating "Uconnect Phone not available" if you do not.
- Your radio has many features that add to the comfort and convenience of you and your passengers. Some of these radio features should not be used when driving because they take your eyes from the road or your attention from driving.

Clock Setting

1. Push and hold the TIME button until the hours blink.
2. Turn the TUNE/SCROLL control knob to set the hours.
3. Push the TUNE/SCROLL control knob until the minutes begin to blink.
4. Turn the TUNE/SCROLL control knob to set the minutes.
5. Push the TUNE/SCROLL control knob to save the changes.
6. Push any button/knob or wait five seconds to exit.

Equalizer, Balance And Fade

1. Push the TUNE/SCROLL control knob and "BASS" will display.
2. Rotate the TUNE/SCROLL control knob to select the desired setting.
3. Continue pushing the TUNE/SCROLL control knob to display and set "MID RANGE," "TREBLE," "BALANCE" and "FADE."

Radio Operation

Seek Up/Down Buttons

- Push the seek up or down button to seek through radio stations in AM, FM, or SAT bands.
- Hold either button to bypass stations without stopping.

Store Radio Presets Manually

- Tune to the desired station.
- Push the SET/RND or SET (depending on the radio) button once and SET 1 will show in the display. Then select a preset button (1–6).
- A second station may be added to each push button. Push the SET/RND or SET (depending on the radio) button twice and SET 2 will show in the display. Then select a preset button (1–6).

Music Type

NOTE:

The Music Type function only operates when in FM mode.

- Push the MUSIC TYPE button to activate this mode. Push the MUSIC TYPE button again or turn the TUNE/SCROLL control knob to select the desired music type (Adult Hits, Country, Jazz, Oldies, Rock, etc.).
- When a music type is chosen and the Music type is displayed, Push either SEEK button and the radio will only search for stations with the selected music type.

SETUP Button

- Pushing the SETUP button allows you to select between items that are available in that particular mode.
- Turn the TUNE/SCROLL control knob to scroll through the entries. Push the AUDIO/SELECT button to select an entry and make changes.

SiriusXM Satellite Radio

SiriusXM services require subscriptions, sold separately after the 12-month trial included with the new vehicle purchase. **If you decide to continue your service at the end of your trial subscription, the plan you choose will automatically renew and bill at then-current rates until you call SiriusXM at 1-866-635-2349 to cancel.** See SiriusXM Customer Agreement for complete terms at www.siriusxm.com. All fees and programming subject to change. Our satellite service is available only to those at least 18 and older in the 48 contiguous USA and D.C. Our Sirius satellite service is also available in PR (with coverage limitations). Our Internet radio service is available throughout our satellite service area and in AK and HI. ©2015 Sirius XM Radio Inc. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.

SiriusXM Satellite Radio gives you over 130 channels, including 100% commercial-free music from nearly every genre, plus all your favorite sports, news, talk and entertainment channels – all with crystal clear, coast-to-coast coverage, all in one place and all at your fingertips.

- To access SiriusXM Satellite Radio, push the SAT button on the faceplate.

CD/DISC Operation

Seek Up/Down Buttons

- Push to seek through CD tracks.
- Hold either button to bypass tracks without stopping.

SET/RND or RND (Depending On Radio) Button (Random Play)

- Push this button while the CD is playing to activate Random Play.
- This feature plays the selections on the CD in random order to provide an interesting change of pace.

LIST Button

- Push the LIST button to bring up a list of all folders on the CD. Scroll up or down the list by turning the TUNE/SCROLL control knob.
- To select a folder from the list, push the TUNE/SCROLL control knob and the radio will begin playing the files contained in that folder.

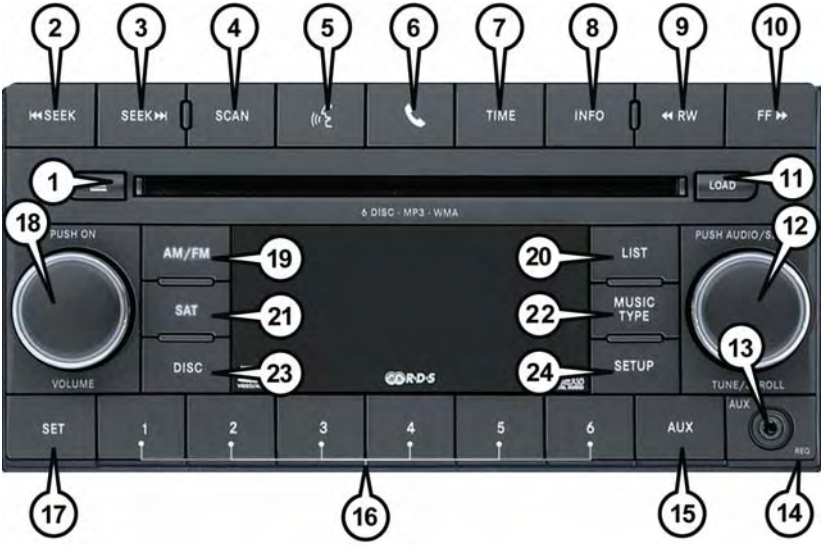
Audio Jack Operation

The AUX/Audio Jack provides a means to connect a portable audio device, such as an MP3 player or an iPod, to the vehicle's sound system. This requires the use of a 3.5 mm stereo audio patch cable.

- Pushing the AUX button will change the mode to auxiliary device if the Audio Jack is connected, allowing the music from your portable device to play through the vehicle's speakers.

The functions of the portable device are controlled using the device buttons, not the buttons on the radio. However, the volume may be controlled using the radio or portable device.

UCONNECT 230



Uconnect 230

1 — CD Eject Button
2 — Seek Down Button
3 — Seek Up Button
4 — Scan Radio Stations Button
5 — Voice Command Button
6 — Uconnect Phone Button
7 — Set Clock Button
8 — Station Info Button
9 — Rewind Button
10 — Fast Forward Button
11 — Push To Load CD's
12 — Audio Settings/Rotate To Tune
13 — Audio Jack
14 — Radio Sales Code
15 — AUX Mode Button
16 — Station Preset Buttons
17 — Set Preset Button
18 — ON/OFF/Rotate For Volume
19 — AM/FM Button
20 — List Folders On CD
21 — Satellite Mode Button
22 — Music Type Button
23 — Disc Mode Button
24 — Set Up Functions Button

NOTE:

- Your radio may not be equipped with the Uconnect Voice Command and Uconnect Phone features. To determine if your radio has these features, push the Voice Command button on the radio. You will hear a voice prompt if you have the feature, or see a message on the radio stating "Uconnect Phone not available" if you do not.
- Your radio has many features that add to the comfort and convenience of you and your passengers. Some of these radio features should not be used when driving because they take your eyes from the road or your attention from driving.

Clock Setting

1. Push and hold the TIME button until the hours blink.
2. Turn the TUNE/SCROLL control knob to set the hours.
3. Push the TUNE/SCROLL control knob until the minutes begin to blink.
4. Turn the TUNE/SCROLL control knob to set the minutes.
5. Push the TUNE/SCROLL control knob to save the changes.
6. Push any button/knob or wait five seconds to exit.

Equalizer, Balance And Fade

1. Push the TUNE/SCROLL control knob and “BASS” will display.
2. Rotate the TUNE/SCROLL control knob to select the desired setting.
3. Continue pushing the TUNE/SCROLL control knob to display and set “MID RANGE,” “TREBLE,” “BALANCE” and “FADE.”

Radio Operation

Seek Up/Down Buttons

- Push the seek up or down button to seek through radio stations in AM, FM, or SAT bands.
- Hold either button to bypass stations without stopping.

Store Radio Presets Manually

- Tune to the desired station
- Push the SET button once and SET 1 will show in the display. Then select button (1–6).
- A second station may be added to each push button. Push the SET button twice and SET 2 will show in the display. Then select button (1–6).

Music Type

NOTE:
The Music Type function only operates when in FM mode.

- Push the MUSIC TYPE button to activate this mode. Push the MUSIC TYPE button again or turn the TUNE/SCROLL control knob to select the desired music type (Adult Hits, Country, Jazz, Oldies, Rock, etc.).
- Once a music type is chosen and the music type is displayed, push the SEEK button and the radio will only search for stations with the selected music type.

SETUP Button

- Pushing the SETUP button allows you to select between items that are available in that particular mode.
- Turn the TUNE/SCROLL control knob to scroll through the entries. Push the AUDIO/SELECT button to select an entry and make changes.

SiriusXM Satellite Radio

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- To access SiriusXM Satellite Radio, push the SAT button on the faceplate.

CD/DISC Operation

Seek Up/Down Buttons

- Push to seek through CD tracks.
- Hold either button to bypass tracks without stopping.

LIST Button

- Push the LIST button to bring up a list of all folders on the CD. Scroll up or down the list by turning the TUNE/SCROLL control knob.
- To select a folder from the list, push the TUNE/SCROLL control knob and the radio will begin playing the files contained in that folder.

How To Load Multiple CDs/DVDs

- Push the LOAD button and then push the button with the corresponding number (1–6) where the CD is being loaded. The radio will display “PLEASE WAIT” and prompt when to “INSERT DISC.”
- After the radio displays “INSERT DISC,” insert the CD into the player. The radio display will show “LOADING DISC” when the disc is loading and “READING DISC” when the radio is reading the disc.
- Push the eject button and then the corresponding number (1–6) to eject the desired disc.

Audio Jack Operation

The AUX/Audio Jack provides a means to connect a portable audio device, such as an MP3 player or an iPod, to the vehicle's sound system. This requires the use of a 3.5 mm stereo audio patch cable.

- Pushing the AUX button will change the mode to auxiliary device if the Audio Jack is connected, allowing the music from your portable device to play through the vehicle's speakers.

The functions of the portable device are controlled using the device buttons, not the buttons on the radio. However, the volume may be controlled using the radio or portable device.

UCONNECT 430/430N

Uconnect 430/430N

1 — Voice Command Button
2 — Open/Close Display
3 — Menu Button
4 — Audio Settings Button
5 — Internal Hard Drive Button
6 — USB Port
7 — Audio Jack
8 — Radio Sales Code
9 — ON/OFF/Rotate For Volume
10 — Select Media Mode Button
11 — Radio Mode Button
12 — Uconnect Phone Button

NOTE:

- Your radio may not be equipped with the Uconnect Voice Command and Uconnect Phone features. To determine if your radio has these features, push the Voice Command button on the radio. You will hear a voice prompt if you have the feature, or see a message on the radio stating "Uconnect Phone not available" if you do not.
- Your radio has many features that add to the comfort and convenience of you and your passengers. Some of these radio features should not be used when driving because they take your eyes from the road or your attention from driving.

Clock Setting

1. Turn the radio on, then press the screen where the time is displayed.
2. Press the "User Clock" button on the touchscreen or the time display (Navigation radio only).
3. To adjust the hours, press either the "Hour Forward" or "Hour Backward" button on the touchscreen.
4. To adjust the minutes, press either the "Minute Forward" or "Minute Backward" button on the touchscreen.
5. To save the new time setting, press the screen where the word "Save" is displayed.

Menu

- Push the MENU button on the faceplate to access the System Setup menu and the My Files menu.
- Push the MENU button on the faceplate in an active mode (SAT, CD, AUX, etc.) to change mode specific settings.

Equalizer, Balance And Fade

Audio Control Menu

- Push the AUDIO button on the faceplate on the right side of the radio.
- Use either the "arrow" buttons on the touchscreen or the sliders to adjust BASS, MID, and/or TREBLE.
- Press the "BAL/FADE" button on the touchscreen and use either the "arrow" buttons on the touchscreen or the cross-hair to change Balance and Fade. The "Center" button on the touchscreen resets the settings.

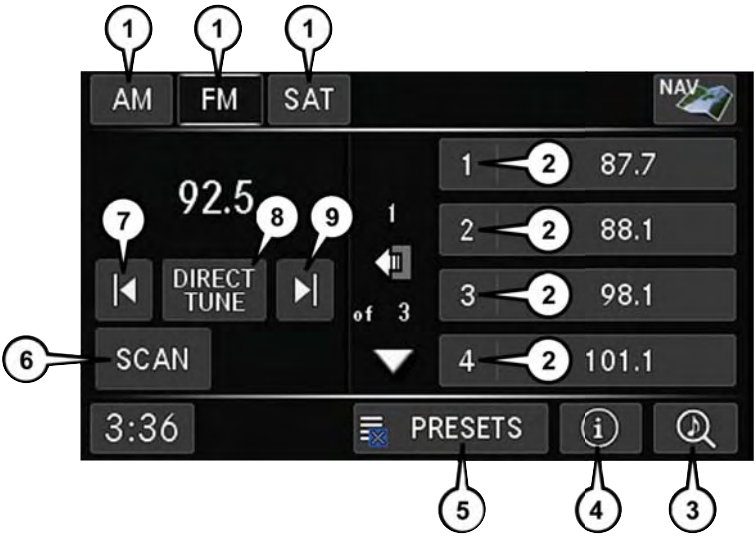
Audio Control Menu

Display Settings

- Push the MENU button on the faceplate and press the "Display Settings" button on the touchscreen to access the Display Settings menu.
- Select the "Daytime Colors" button on the touchscreen to switch to manual daytime mode and to adjust the brightness of the display using daytime colors.
- Select the "Nighttime Colors" button on the touchscreen to switch to manual nighttime mode and to adjust the brightness of the display using nighttime colors.
- Select the "Auto Color Mode" button on the touchscreen to switch to automatic daytime/nighttime mode and to control the brightness of the display using the dimmer switch of the vehicle.
- Press the "Exit" button on the touchscreen to save your settings.

Display Settings

Radio Operation



Radio Operation

1 — Radio Tuner Tabs
2 — Individual Presets
3 — Search/Browse
4 — Radio Station/Track Info
5 — Sort Presets
6 — Station Scan
7 — Seek Down
8 — Direct Tune
9 — Seek Up

- To access Radio Mode, push the RADIO button on the left side of the faceplate, then press the "AM," "FM" or "SAT" button on the touchscreen to select the band.

Seek Up/Seek Down

- Press the "SEEK UP" or "SEEK DOWN" buttons on the touchscreen to seek through radio stations in AM, FM, or SAT bands. Hold either seek button to bypass stations without stopping.

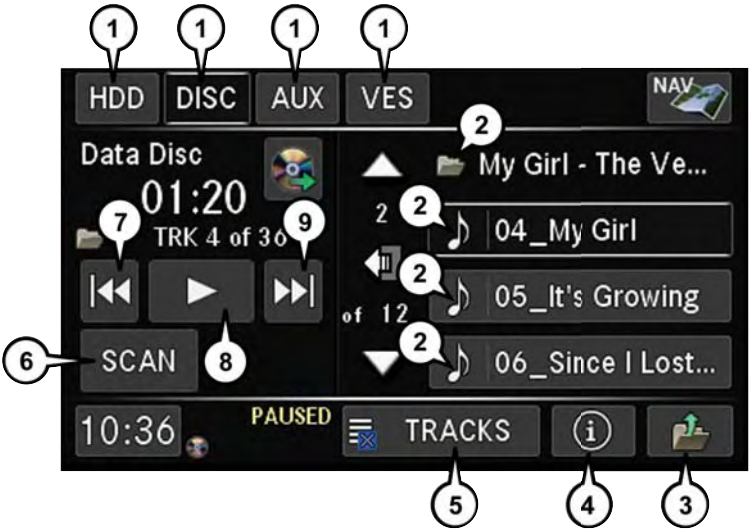
Store Radio Presets Manually

- Select the radio band by pressing either the "AM," "FM," or "SAT" button on the touchscreen.
- Find the station to store by either pressing the "SEEK UP" or "SEEK DOWN" buttons on the touchscreen, pressing the "Scan" button on the touchscreen, or by using the "Direct Tune" button on the touchscreen.

- Once the desired station is found, press and hold one of the “PRESETS” buttons on the touchscreen in the list to the right, until the preset key flashes and the station text on the button on the touchscreen changes.

NOTE:
If the Presets are not visible on the right side of the screen, press the “PRESETS” button on the touchscreen.

CD/DVD Disc Operation



CD/DVD Disc Operation

1 — Media Source Tabs
2 — Folder/Track
3 — Open Folder
4 — Track Information
5 — Sort Tracks
6 — Track Scan
7 — Seek Down
8 — Play/Pause
9 — Seek Up

- Push the MEDIA button on the faceplate to display the media source tabs at the top of the screen. Select the source by pressing the “HDD,” “DISC” or “AUX” media source button on the touchscreen.

NOTE:
Your Touchscreen Radio will usually automatically switch to the appropriate mode when something is first connected or inserted into the system.

Insert A CD/DVD Disc

- To insert a disc, push the LOAD button on the faceplate.
- With the printed side upwards, insert the disc into the disc slot of the radio. The radio pulls the disc in automatically and closes the flip screen. The radio selects the appropriate mode after the disc is recognized, and starts playing the first track. The display shows “Reading...” during this process.

Seek Up/Seek Down

- Push the SEEK UP or SEEK DOWN buttons on the faceplate to seek through tracks in Disc Mode. Holding the SEEK UP button on the touchscreen will fast forward through the track until the beginning of the track is reached; if still held it will fast-forward through the next sequential track(s) (if random play node is not active) until released. Holding the SEEK DOWN button on the touchscreen will fast-reverse through the track until the beginning of the track is reached; if still held it will fast-reverse through the next sequential track(s) (if random play node is not active) until released.

Audio Jack Operation

The AUX/Audio Jack provides a means to connect a portable audio device, such as an MP3 player or an iPod, to the vehicle’s sound system. This requires the use of a 3.5 mm stereo audio patch cable.

- Push the MEDIA button on the faceplate then the “AUX” button on the touch-screen to change the mode to auxiliary device if the Audio Jack is connected, allowing the music from your portable device to play through the vehicle's speakers.

NOTE:
The functions of the portable device are controlled using the device itself, not the buttons on the radio. However, the volume may be controlled using the radio or portable device.

Hard Disk Drive (HDD) Operation

- The Hard Disk Drive (HDD) mode gives you access to the audio files on the internal hard disk drive. It functions similar to a CD player, with the exception that the internal HDD can hold more tracks.
- It is also possible to import display pictures to the internal hard disk drive. The pictures can be displayed on the right half of the radio screen.
- Before using the HDD mode, you will need to copy songs and pictures to the internal hard drive. Songs and pictures can be added to the hard drive by using a CD or USB device (e.g. thumb drive or memory stick).

NOTE:

- HDD supports only .jpg/JPEG formats for photos.
- WMA/MP3 Files and Selective Songs from a CD can also be added to the HDD. See the Uconnect 430/430N User's Manual for more information.

Copying Music From CD

- Push the LOAD button on the faceplate.
- Insert a disc, then push the MY FILES button on the faceplate. Select the "MY MUSIC" button on the touchscreen.
- Press the "Add Music Files to HDD" button on the touchscreen, then press the "Disc" button on the touchscreen in the next screen to start the process.

NOTE:

- You might need to select the folder or title depending on the CD, then push "DONE" to start the copy process.
- The copy progress is shown in the lower left corner of the screen.

Copying Music From CD

Copying Music From USB

- The USB port on the radio face plate allows you to copy files to your hard drive. To access, lift up on the cover.
- Insert a USB device (e.g. thumb drive or memory stick), then select the "MY MUSIC" button on the touchscreen.
- Press the "Add Music Files to HDD" button on the touchscreen, then press the "Front USB" button on the touchscreen in the next screen.
- Select the folders or titles you would like to copy, then press the "SAVE" button on the touchscreen to start the copy process.
- To copy all of the titles, press the "ALL" button on the touchscreen then press the "SAVE" button on the touchscreen.

Copying Music From USB

NOTE:

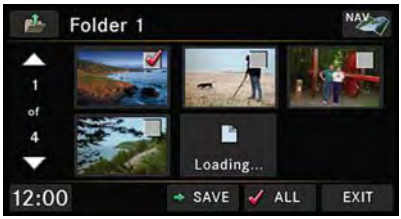
The copy progress is shown in the lower left corner of the screen.

Copying Pictures To The HDD

- Insert either a CD or a USB device containing your pictures in JPEG format.
- Push the MY FILES button on the faceplate.
- Press the "My Pictures" button on the touchscreen to get an overview of the currently stored images, then press the "Add" button on the touchscreen.
- Press the "Disc" or "USB" button on the touchscreen, then select the folders or pictures you wish to copy to the HDD. Use the "PAGE" buttons on the touchscreen to page through the list of pictures.

- Press the desired pictures or press the “All” button on the touchscreen for all pictures. Confirm your selections by pressing the “SAVE” button on the touchscreen.

NOTE:
The copy progress is shown in the lower left corner of the screen.



Copying Pictures To The HDD

Display A Picture On The Radio Screen

- Once the import is complete, the pictures will then be available in the “MY PICTURES” screen.
- Push the MY FILES button on the faceplate, then press the “My Pictures” button on the touchscreen. Press the desired picture, press the “Set as Picture View” button on the touchscreen and then press the “Exit” button on the touchscreen. Lastly push the MENU button on the faceplate and press the “Picture View” button on the touchscreen to display the chosen picture on the radio screen.

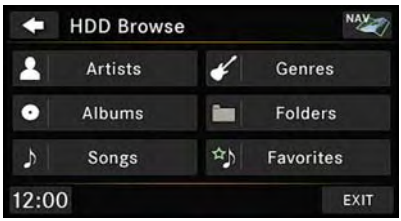
NOTE:

- A check mark in the My Pictures screen indicates the currently used picture.
- You can also delete pictures by pressing the “Delete” button on the touchscreen.

Playing Music From The HDD

- Push the MEDIA button on the faceplate to display the media source tabs at the top of the screen. Press the “HDD” button on the touchscreen. Press the desired track button on the touchscreen to play or press the “SEARCH/BROWSE” button on the touchscreen to search by artist, by album, by song, by genre, from a folder, or from Favorites.

Playing Music From The HDD



Browsing Music From The HDD

Cleaning Your Touchscreen Radio

- If necessary, use a dry micro fiber lens cleaning cloth dampened with a cleaning solution such as isopropyl alcohol or an isopropyl alcohol and water solution ratio of 50:50. Always follow the solvent manufacturer's precautions and directions.

CAUTION!
Do not spray any liquid or caustic chemicals directly on the screen. Use a clean and dry micro fiber lens cleaning cloth to clean the touchscreen.

Garmin Navigation

- Uconnect 430N integrates Garmin's consumer-friendly navigation into your vehicle. Garmin Navigation includes a database with over six million points of interest.
- Press the "NAV" button in the upper right corner of the touchscreen to access the Navigation system.

Changing The Navigation Voice Prompt Volume

1. Program a destination.
2. While traveling on your route, press the upper left area of the map screen where your next turn is displayed.
3. The Navigation system will then repeat the distance to your next turn.

Garmin Navigation

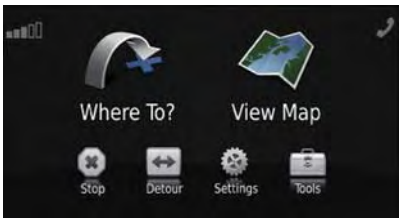
4. While the Navigation system is speaking, use the ON/OFF VOLUME rotary knob to adjust the volume to a comfortable level. Please note the volume setting for Navigation Voice Prompt is different than the audio system.

NOTE:
For your own safety and the safety of others, it is not possible to use certain features while the vehicle is in motion.

Main Navigation Menu

Finding Points Of Interest

- From the main Navigation menu, press the "Where To?" button on the touchscreen, then press the "Points of Interest" button on the touchscreen.
- Select a Category, then a subcategory, if necessary.
- Select your destination and press the "Go" button on the touchscreen.



Main Navigation Menu

Finding A Place By Spelling The Name

- From the Main Navigation Menu press the "Where To?" button on the touchscreen. Next, press the "Points of Interest" button on the touchscreen then press the "Spell Name" button on the touchscreen.
- Enter the name of your destination.
- Press the "Done" button on the touchscreen.
- Select your destination and press the "Go" button on the touchscreen.

Entering A Destination Address

- From the main Navigation menu press the “Where To?” button on the touchscreen, then press the “Address” button on the touchscreen.
- Follow the on-screen prompts to enter the address then press the “Go” button on the touchscreen.

Setting Your Home Location

- From the main Navigation menu press the "Tools" icon. Next select the "My Data" folder icon. Then select "Set Home Location."
- You may enter your address directly, use your current location as your home address, or choose from recently found locations.

Edit Home Location

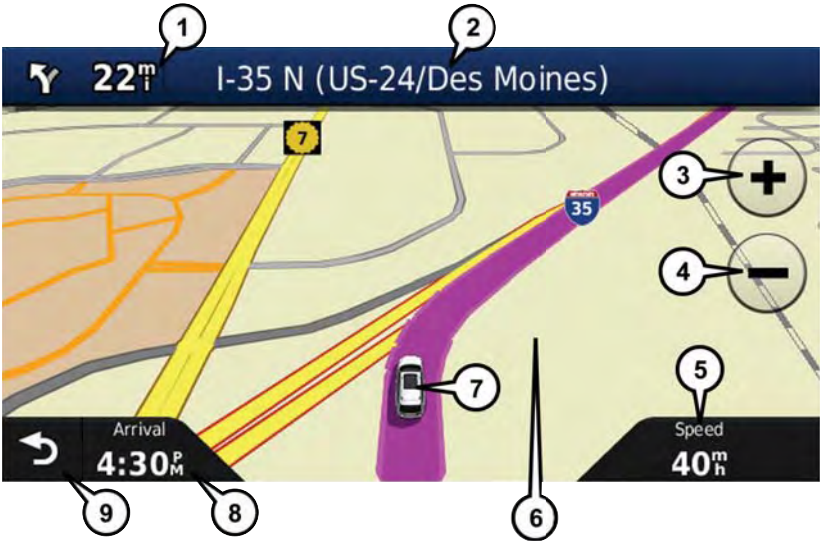
- From the main Navigation menu press the “Where To?” button on the touchscreen, then press the "Tools" icon. Next, press the "My Data" folder.
- You may enter a new address directly, use your current location or choose from recently found locations.

Go Home

- A Home location must be saved in the system. From the Main Navigation menu, press the “Where To?” button on the touchscreen, then press the “Go Home” button on the touchscreen.

Following Your Route

Your route is marked with a magenta line on the map. If you depart from the original route, your route is recalculated. A speed limit icon could appear as you travel on major roadways.



Following Your Route

1 — Distance To Next Turn
2 — Current Location
3 — Zoom In
4 — Zoom Out
5 — Current Speed
6 — Drag Map For Different View
7 — Your Location On The Map
8 — Estimated Time Of Arrival
9 — Navigation Main Menu

Adding A Via Point

To add a stop between the current location and the end destination (Via Point) you must be navigating a route.

- Press the “back arrow” icon multiple times to return to the Main Navigation menu.
- Press the “Where To?” button on the touchscreen, then search for the additional stop. Select the destination you wish to add from the given search results.
- Press the “Go” button on the touchscreen, then press "Add as a Via Point" button on the touchscreen and press the "Done" button on the touchscreen.

Taking A Detour

To take a detour you must be navigating a route.

- Press the "back arrow" icon button on the touchscreen multiple times to return to the Main Navigation menu.
- Press the "Detour" button on the touchscreen.

NOTE:
If the route you are currently taking is the only reasonable option, the device might not calculate a detour.

Acquiring Satellites

The GPS Satellite strength bars indicate the strength of your satellite reception.

- Acquiring satellite signals can take a few minutes. When at least one of the bars is green, your device has acquired satellite signals.
- You may experience delays receiving satellite signals when in areas with an obstructed view to the sky, such as garages, tunnels, or large cities with tall buildings.

SiriusXM SATELLITE RADIO/TRAVEL LINK

- SiriusXM Travel Link requires a subscription, sold separately after the five (5) year trial subscription included with your vehicle purchase.
- SiriusXM Travel Link is only available in the United States.
- The following describes features that are available when in SiriusXM Satellite Radio mode.
- To access SiriusXM Satellite Radio, push the RADIO/MEDIA or RADIO button on the faceplate, then press the "SAT" button on the touchscreen.

Info

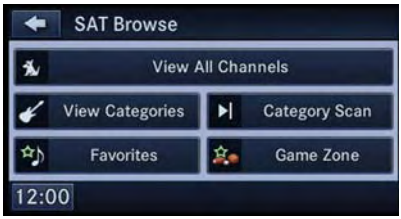
- Press the "i" button on the touchscreen to view detailed information about the current Sirius XM Satellite channel.

SiriusXM Parental Controls

- SiriusXM offers the option to permanently block selected channels. Call 1-888-539-7474 and request the Family Package.
- **Uconnect 430/430N:** Push the "MENU" button on the faceplate while in SiriusXM Satellite Radio Mode, then press the "Channel Lock" to enable and/or disable desired channels. The SEEK and SCAN function will then only display channels without Channel lock.

Search/Browse

- Press the "magnifying glass" button on the touchscreen to search/browse the SiriusXM channel listing by Favorites and Categories such as Song, Artist and Channel Name. The Search/Browse also allows you to manage your Favorites.



SAT Browse

SiriusXM Satellite Radio Favorites (SAT Favorites)

- You can save 50 favorite songs and 50 favorite artists.
- Press the "Add Favorite" button on the touchscreen to add either the song or the artist of the currently playing program to the SAT Favorites list. The favorite star will appear in the upper right corner, below the "SAT" button on the touchscreen.

Manage SAT Favorites

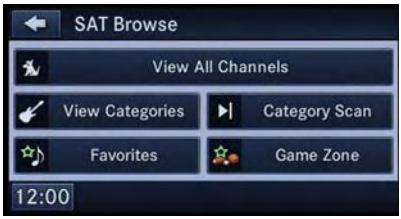
- You will see a favorite star indicator in the upper right side of the screen below the "SAT" button on the touchscreen and a pop up will alert you that a favorite song or artist is currently playing on one of the SiriusXM satellite radio channels.

NOTE:
Refer to your 430/430N Radio Supplement Manual for more information.

Favorites Alert

Display SAT Favorites List

- Press the "Search/Browse" button on the touchscreen and select "Favorites" from the SAT Browse screen.
- Press the desired favorites button on the touchscreen to switch the SAT tuner to the corresponding channel.



SAT Browse

You may use the "LIST" button on the touchscreen to toggle between:

- Favorite Songs
- Favorite Artists
- Currently playing favorites

SAT Favorites

Replay

- While you are in SAT mode, you can replay 44 minutes of the current SiriusXM channel (when the channel is changed, this audio buffer is erased). Push the REPLAY button to listen to the stored audio.
- You can press the on-screen controls to pause and rewind audio playback, press the SCAN button to preview each of the tracks stored in the buffer, or select a track from the list.

The time displayed below the bar indicates how much time is present between the current buffer play position and the live broadcast.

SAT Mode Replay

Replay Option	Option Description
Play/Pause	Press to pause content playback. Press Pause/Play again to resume playback.
Rewind/RW	Rewinds the channel content in steps of five seconds. Press and hold to rewind continuously, then release to begin playing content at that point.
Fast Forward/FW	Forwards the content, and works similarly to Rewind/RW. However, Fast Forward/FW can only be used when content has been previously rewound.

Replay Option	Option Description
Replay Time	Displays the amount of time in the upper center of the screen by which your content lags the live channel.
Live	Resumes playback of live content at any time while replaying rewound content.

STEERING WHEEL AUDIO CONTROLS

The steering wheel audio controls are located on the rear surface of the steering wheel.

Right Switch

- Push the switch up or down to increase or decrease the volume.
- Push the button in the center to change modes AM/FM/CD/SAT.

Left Switch

- Push the switch up or down to search for the next listenable station or select the next or previous CD track.
- Push the button in the center to select the next preset station (radio) or to change CDs if equipped with a CD Changer.

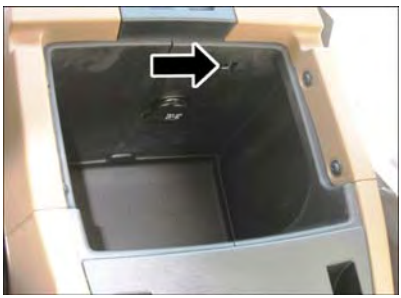
Steering Wheel Audio Controls (Rearview Of Steering Wheel)

iPod/USB/MP3 CONTROL

There are many ways to play music from iPod/MP3 players or USB devices through your vehicle's sound system.

The remote USB port, located within the center console, allows you to plug an iPod into the vehicle's sound system.

- **Non-Touchscreen Radios:** To hear audio from devices connected to the USB port, push the AUX button on the faceplate.



Center Console USB

- **Touchscreen Radios:** To hear audio from devices connected to the USB port, push the MEDIA button on the faceplate, then press the "AUX" or "iPod" button on the touchscreen.

When connected to this feature:

- The iPod can be controlled using the radio buttons to Play, Browse, and List the iPod or external devices contents.
- The iPod battery charges when plugged into the USB port (if supported by the specific audio device).
- Compatible iPod devices may also be controllable using voice commands. Refer to the Owner's Manual on the DVD for details.

iPod/USB/MP3

NOTE:
The USB port supports certain Mini, Classic, Nano, Touch, and iPhone devices. The USB port also supports playing music from compatible external USB Mass Storage Class memory devices. For supported audio file formats, refer to the USB Port section in the Owner's Manual on the DVD. Refer to UconnectPhone.com for a list of tested iPod's. Some iPod software versions may not fully support the USB port features. Please visit Apple's website for iPod software updates.

WARNING!

Do not plug in or remove the iPod or external device while driving. Failure to follow this warning could result in a collision.

UCONNECT PHONE

The Uconnect Phone is a voice-activated, hands-free, in-vehicle communications system with Voice Command Capability that allows you to dial a phone number with your mobile phone using simple voice commands (see Voice Command section).

- To determine if your vehicle is equipped with Uconnect Phone, push the "Uconnect Phone" button located on the radio faceplate. If your vehicle has this feature, you will hear a voice prompt. If not, you will see a message on the radio "Uconnect Phone not available."

NOTE:
To access the tutorial, push the "Uconnect Phone" button . After the BEEP, say "tutorial." Push any button on the faceplate, or press any button on the touchscreen, to cancel the tutorial.

- Refer to your vehicle Owner's Manual on the DVD for further details.

NOTE:
The Uconnect Phone requires a mobile phone equipped with the Bluetooth Hands-Free Profile, Version 1.0 or higher. For Uconnect Customer Support: U.S. residents - visit UconnectPhone.com or call 1-877-855-8400. Canadian residents - visit UconnectPhone.com or call, 1-800-465-2001 (English) or 1-800-387-9983 (French). This site will provide specific instructions based on the type of mobile phone being paired.

Phone Pairing

NOTE:
Pairing is a one - time initial setup before using the phone. Prior to starting the pairing procedure ensure all additional phones within the vehicle have their Bluetooth disabled.

1. Activate Bluetooth on the mobile phone you are pairing.
2. Push the "Phone" button.
3. Wait for the "ready" prompt and BEEP.
4. After the BEEP, say "setup" or "Uconnect device setup."
5. After the BEEP, say "device pairing."
6. After the BEEP, say "pair a device."
7. Follow the audible prompts.

Mobile Phone Pairing

- You will be asked to say a four-digit Personal Identification Number (PIN), which you will later need to enter into your mobile phone. You can say any four-digit PIN. You will not need to remember this PIN after the initial pairing process.
- You will then be prompted to give the phone pairing a name (each phone paired should have a unique name).
- Next you will be asked to give this new pairing a priority of 1 through 7 (up to seven phones may be paired); 1 is the highest and 7 is the lowest priority. The system will only connect to the highest priority phone that exists within the proximity of the vehicle.
- You will then need to start the pairing procedure on your cell phone. Follow the Bluetooth instructions in your cell phone Owner's Manual to complete the phone pairing setup.

Phonebook

Phonebook Download — Automatic Phonebook Transfer From Mobile Phone

If equipped and specifically supported by your phone, Uconnect Phone automatically downloads names (text names) and number entries from your mobile phone's phonebook. Specific Bluetooth Phones with Phone Book Access Profile may support this feature. Automatic Transfer is indicated by a green arrow at the bottom of the screen. See UconnectPhone.com for supported phones.

- Automatic download and update, if supported, begins as soon as the Bluetooth wireless phone connection is made to the Uconnect Phone. For example, after you start the vehicle.

Uconnect myPhone

NOTE:
The mobile phone may require authorization prior to download.

- A maximum of 1,000 entries per phone will be downloaded and updated every time a phone is connected to the Uconnect Phone.
- Depending on the maximum number of entries downloaded, there may be a short delay before the latest downloaded names can be used. Until then, if available, the previously downloaded phonebook is available for use.
- Only the phonebook of the currently connected mobile phone is accessible.
- Only the mobile phone's phonebook is downloaded. The SIM card phonebook is not part of the Mobile phonebook.
- This downloaded phonebook cannot be edited or deleted on the Uconnect Phone. These can only be edited on the mobile phone. The changes are transferred and updated to Uconnect Phone on the next phone connection.

Making A Phone Call

- Push the "Phone" button .
- After the BEEP, say "dial" (or "call" a name).
- After the BEEP, say number (or name).

Receiving A Call — Accept (And End)

- When an incoming call rings/is announced on Uconnect, push the "Phone" button .
- To end a call, push the "Phone" button .

Mute (Or Unmute) Microphone During Call

- During a call, push the "Voice Command" button VR.
- After the BEEP, say "mute" (or "mute off").

Transfer Ongoing Call Between Handset And Vehicle

- During a call, push the "Voice Command" button .
- After the BEEP, say "transfer call."

Changing The Volume

- Start a dialogue by pushing the "Phone" button , then adjust the volume during a normal call.
- Use the radio ON/OFF VOLUME rotary knob to adjust the volume to a comfortable level while the Uconnect system is speaking. Please note the volume setting for Uconnect is different than the audio system.

WARNING!

- Any voice commanded system should be used only in safe driving conditions following applicable laws regarding phone use. Your attention should be focused on safely operating the vehicle. Failure to do so may result in a collision causing you and others to be severely injured or killed.
- In an emergency, to use Uconnect Phone, your mobile phone must be:
  - turned on
  - paired to Uconnect Phone
  - have network coverage

UCONNECT VOICE COMMAND

Voice Command Operation

The Uconnect Voice Command system allows you to control your AM, FM radio, satellite radio, disc player, HDD, Uconnect Phone, a memo recorder, and supported portable media devices.

- When you push the "Voice Command" button located on the radio faceplate or steering wheel, you will hear a beep. The beep is your signal to give a command. If you do not say a command within a few seconds, the system will present you with a list of options. If you ever want to interrupt the system while it lists options, push the "Voice Command" button , listen for the BEEP, and say your command.

NOTE:
U.S. residents visit driveuconnect.com for more info on which voice command features apply to your vehicle. Canadian residents visit driveuconnect.ca for more info on which voice command features apply to your vehicle.

- Start a dialogue by pushing the "Voice Command" button , you will hear a beep. The beep is your signal to give a command. Below are a list of voice commands for each of the different modes:

While In:	Voice Command Example:
Main Menu	“Radio AM” (to switch to the AM radio mode)
	“Radio FM” (to switch to the FM radio mode)
	“Satellite Radio” (to switch to the Satellite radio mode)
	“Disc” (to switch to the disc mode)
	“USB” (to switch to the USB mode)
	“Bluetooth Streaming” (to switch to the Bluetooth Streaming mode)
	“Memo” (to switch to the memo recorder)
	“System Setup” (to switch to system setup)
Radio Mode	“Frequency” (to change the frequency)
	“Next Station” (to select the next station)
	“Previous Station” (to select the previous station)
	“Radio Menu” (to switch to the radio menu)
	“Main Menu” (to switch to the main menu)
SiriusXM Satellite Radio Mode	“Channel Number” (to change the channel by its spoken number)
	“Next Channel” (to select the next channel)
	“Previous Channel” (to select the previous channel)
	“List Channel” (to hear a list of available channels)
	"Channel Name" (to change the channel by its spoken name)
	“Select Name” (to say the name of a channel)
	“Radio Menu” (to switch to the radio menu)
	“Main Menu” (to switch to the main menu)
Disc Mode	“Track” (#) (to change the track)
	“Next Track” (to play the next track)
	“Previous Track” (to play the previous track)
	“Main Menu” (to switch to the main menu)

While In:	Voice Command Example:
Memo Mode	To switch to the voice recorder mode, say "Memo." The following are common voice commands for this mode: "New Memo" (to record a new memo) — During the recording, you may push the Voice Command button to stop recording. You proceed by saying one of the following commands:
	— "Save" (to save the memo)
	— "Continue" (to continue recording)
	— "Delete" (to delete the recording)
	— "Play Memos" (to play previously recorded memos) — During the playback you may push the Voice Command button to stop playing memos. You proceed by saying one of the following commands:
	— "Repeat" (to repeat a memo)
	— "Next" (to play the next memo)
	— "Previous" (to play the previous memo)
	— "Delete" (to delete a memo)
	— "Delete All" (to delete all memos)

Voice Text Reply

If equipped with Uconnect Voice Command, your Uconnect 430N radio may be able to play incoming Short Message Service (SMS) messages (text messages) through the vehicle's sound system. It also allows you to respond by selecting from various predefined phrases.

NOTE:
Not all phones are compatible with this feature. Refer to the phone compatibility list at UconnectPhone.com. Connected mobile phones must be bluetooth-compatible and paired with your radio.

- Push the "Voice Command" button and after the BEEP, say "SMS" to get started.

NOTE:
To access the tutorial, push the "Voice Command" button . After the BEEP, say "tutorial." Push any button on the faceplate or press any button on the touchscreen to cancel the tutorial.

WARNING!

Any voice commanded system should be used only in safe driving conditions following applicable laws regarding phone use. Your attention should be focused on safely operating the vehicle. Failure to do so may result in a collision causing you and others to be severely injured or killed.

BLUETOOTH STREAMING AUDIO

If equipped with Uconnect Voice Command, your Bluetooth-equipped iPod devices, cell phones or other media players, may also be able to stream music to your vehicles speakers. Your connected device must be Bluetooth-compatible, and paired with your radio (see UconnectPhone.com for pairing instructions).

Non-Touchscreen Radios: Push the AUX button on the faceplate until "BT" or "Audio Streaming" is displayed on the radio screen.

Touchscreen-Radios: Push the RADIO/ MEDIA or MEDIA button on the faceplate and then press the "AUX" button on the touchscreen.

Bluetooth Streaming Audio

ELECTRONIC VEHICLE INFORMATION CENTER (EVIC)

The Electronic Vehicle Information Center (EVIC) features a driver interactive display that is located in the instrument cluster. Pushing the controls on the steering wheel allows the driver to select vehicle information and Personal Settings. For additional information, refer to "Programmable Features" in this guide.

EVIC Controls

- Push the **MENU** button to scroll through the main menus (Speedometer, Fuel Economy, Miles To Empty, Tire Pressure, Warnings, Timer, Vehicle Info, Units, System Warning, Personal Settings) or to exit submenus.
- Push the **RIGHT** arrow ▶ button for access to main menus, submenus or to select a personal setting in the setup menu.
- Push the **COMPASS** button to display one of eight compass readings and the outside temperature or to exit sub menus.
- Push the **DOWN** arrow ▼ button to scroll downward through the submenus.

EVIC Main Menu

To step to each main menu feature, push the MENU button once for each step. A step from the last item in the list will cause the first item in the feature list to be displayed. The following features are in the Main Menu:

- Compass, Outside Temperature, and ECO display
- Digital Speedometer
- Average Fuel Economy
- Distance to Empty
- Elapsed Time
- Vehicle Information
  - Coolant Temp
  - Oil Pressure
  - Transmission Temp
  - Oil Life Remaining (Automatic Oil Change Indicator)
- EVIC Units Selection
- System Status
- Personal Settings
- Tire PSI

Compass Calibration

This compass is self-calibrating, which eliminates the need to set the compass manually. When the vehicle is new, the compass may appear erratic, and the EVIC will display "CAL" until the compass is calibrated.

You may also calibrate the compass by completing one or more 360 degree turns (in an area free from large metal or metallic objects) until the "CAL" message displayed in the EVIC turns off. The compass will now function normally.

ECO

The ECO message will appear in your EVIC display whenever you are driving in a fuel efficient manner.

This feature allows you to monitor when you are driving in a fuel efficient manner, and it can be used to modify driving habits in order to increase fuel economy.

PROGRAMMABLE FEATURES

Electronic Vehicle Information Center (EVIC)

The EVIC can be used to program the following Personal Settings. Push the **MENU** button until Personal Settings displays, then push the **DOWN** arrow button ▼ to scroll through the settings. Push the **RIGHT** arrow button ▶ to change the setting.

- Language
- Auto UNLK On Exit
- RKE Unlock
- Sound Horn With RKE Lock
- Flash Lamp With Lock
- Headlamp Off Delay
- Headlamps With Wipers
- Key-Off Power Delay
- Illumin Approach
- Hill Start Assist (HSA)
- Display Units of Measure In
- Nav – Turn by Turn
- Display Fuel Saver
- Compass Variance
- Calibrate Compass

Key Fob Programmable Features

The following features may also be programmed by using the Key Fob transmitter or the ignition and driver's door lock switch. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" in the Owner's Manual on the DVD for further information.

NOTE:
Pushing the LOCK button while you are inside the vehicle will activate the Vehicle Security Alarm. Opening a door with the Vehicle Security Alarm activated will cause the alarm to sound. Push the UNLOCK button to deactivate the Vehicle Security Alarm.

Flashing Lamps With Lock

The turn signal lights flashing, when the doors are locked or unlocked, feature can be turned on or off. To turn this feature on or off:

- Push and hold the UNLOCK button for at least 4 seconds, but no longer than 10 seconds. Then, push and hold the LOCK button while still holding the UNLOCK button.
- Release both buttons at the same time.

POWER INVERTER

- A 115 Volt, 150 Watt AC power inverter is located on the front of the center console.
- This outlet can power cellular phones, electronics and other low power devices requiring power up to 150 Watts.
- The power inverter switch is located on the instrument panel below the climate controls. To turn on the power outlet, push the switch once. The indicator light will illuminate. Push the switch a second time to turn the power inverter outlet off.

Power Inverter

NOTE:
The power inverter is designed with built-in overload protection. If the power rating of 150 Watts is exceeded, the power inverter will automatically shut down. Once the electrical device has been removed from the outlet, the inverter should automatically reset. If the power rating exceeds approximately 170 Watts, the power inverter may have to be reset manually. To reset the inverter manually, unplug the device and plug it in again. To avoid overloading the circuit, check the power ratings on electrical devices prior to using the inverter.

WARNING!

To Avoid Serious Injury or Death DO NOT:
- insert any objects into the receptacles
- touch with wet hands

Close the lid when not in use. If this outlet is mishandled, it may cause an electric shock and failure.

POWER OUTLETS

There are three possible 12 Volt Power Outlets in this vehicle.

- The front 12 Volt power outlet is located below the climate controls in the Center Console, and is powered when the ignition switch is in the ON/RUN position. The outlet can operate a conventional cigar lighter unit or power accessories designed for use with a standard power outlet adapter.

Power Outlet — Front

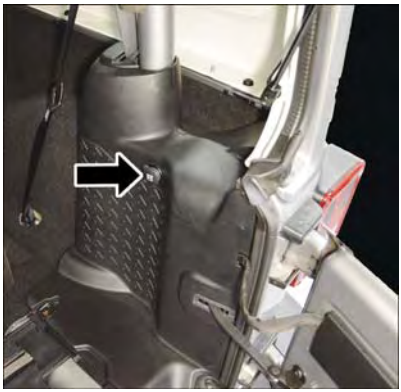
- The center console 12 Volt power outlet is powered directly from the battery (power available at all times). Items plugged into this outlet may discharge the battery and/or prevent the engine from starting.

Power Outlet — Center Console

- On vehicles equipped with a rear subwoofer, there is also a 12 Volt power outlet located in the rear cargo area of the vehicle. This power outlet has power available directly from the battery (power available at all times). Items plugged into this outlet also may discharge the battery and/or prevent the engine from starting.

NOTE:

- Do not exceed the maximum power of 160 Watts (13 Amps) at 12 Volts. If the 160 Watt (13 Amp) power rating is exceeded the fuse protecting the system will need to be replaced.
- Power outlets are designed for accessory plugs only. Do not insert any other object in the power outlet as this will damage the outlet and blow the fuse. Improper use of the power outlet can cause damage not covered by your new vehicle warranty.



Power Outlet — Rear Cargo Area

Power Outlet Fuses

1 — #M7 Fuse 20 Amp Yellow – Power Outlet Rear (If Equipped)
2 — #M6 Fuse 20 Amp Yellow – Cigar Lighter Instrument Panel
3 — #M36 Fuse 20 Amp Yellow – Power Outlet Console Bin

COMMAND-TRAC/ROCK-TRAC

The transfer case provides four mode positions: 2H (Two-wheel drive high range), 4H (Four-wheel drive high range), N (Neutral), and 4L (Four-wheel drive low range).

The transfer case is intended to be driven in the 2H position for normal street and highway conditions such as hard-surfaced roads.

Transfer Case Lever

Shifting Between 2H And 4H

Shifting between 2H and 4H can be made with the vehicle stopped or in motion. Shift the transfer case lever firmly to 4H at any speed up to 50 mph (80 km/h).

Shifting Between 4H And 4L (Automatic Transmission)

Shifting between 4H and 4L should be made with the vehicle rolling at 2 to 3 mph (3 to 5 km/h). Shift the automatic transmission into NEUTRAL then shift the transfer case lever firmly to 4L (do not pause with the transfer case in NEUTRAL). Once the shift is completed, place the automatic transmission into DRIVE.

Shifting Between 4H And 4L (Manual Transmission)

Shifting between 4H and 4L should be made with the vehicle rolling at 2 to 3 mph (3 to 5 km/h). Fully depress the clutch pedal and shift the transfer case lever firmly to 4L (do not pause with the transfer case in NEUTRAL). Once the shift is completed, release the clutch pedal.

NOTE:
To enhance off-road performance in 4L mode, manual transmission vehicles will start regardless of whether or not the clutch pedal is depressed.

AXLE LOCK (TRU-LOK) RUBICON ONLY

The AXLE LOCK switch is located on the instrument panel (to the left of the steering column).

This feature will only activate when the following conditions are met:

- Key in Run Position, vehicle in 4L (Low) range.
- Vehicle speed at 10 mph (16 km/h) or less.

Push the bottom of the AXLE LOCK switch once to lock the rear axle only and a second time to lock the front axle (the rear and front axle lock indicator lights will illuminate).

After the rear axle lock is engaged, pushing the bottom of the locker switch will cycle the front axle lock on and off. To disengage any of the axle locks, push the top of the axle lock switch.

The indicator light will flash until the axles are fully locked or unlocked.

ELECTRONIC SWAY BAR DISCONNECT – RUBICON ONLY

Off-Road

This feature will only activate when the following conditions are met:

- Key in Run position, vehicle in 4L (Low) or 4H (High) range.
- Vehicle speed under 18 mph (29 km/h).
- Push the SWAY BAR switch, located on the instrument panel (to the left of the steering column), once to disconnect the Sway Bar.
- The Sway Bar indicator light will illuminate in the instrument cluster.

On-Road

Push the SWAY BAR switch a second time to reconnect the Sway Bar.

The Sway Bar should remain in on-road mode during normal driving conditions.

TRAILER TOWING

Trailer Towing Weights (Maximum Trailer Weight Ratings)

Engine/ Transmission	Axle	Model	GCWR (Gross Combined Wt. Rating)	Frontal Area	Max. GTW (Gross Trailer Wt.)	Max. Trailer Tongue Wt. (See Note)
3.6L/Manual	3.21	Two–Door Sport Model (4WD)	6,900 lbs (3 130 kg)	25 sq ft (2.32 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Manual	3.73	Two–Door Sport Model (4WD)	8,400 lbs (3 810 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)
3.6L/Automatic	3.21	Two–Door Sport Model (4WD)	6,900 lbs (3 130 kg)	25 sq ft (2.32 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Automatic	3.73	Two–Door Sport Model (4WD)	8,400 lbs (3 810 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)
3.6L/Manual	3.21	Two–Door Sahara Model (4WD)	7,000 lbs (3 175 kg)	25 sq ft (2.32 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Manual	3.73	Two–Door Sahara Model (4WD)	8,500 lbs (3 856 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)
3.6L/Automatic	3.21	Two–Door Sahara Model (4WD)	7,000 lbs (3 175 kg)	25 sq ft (2.32 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Automatic	3.73	Two–Door Sahara Model (4WD)	8,500 lbs (3 856 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)
3.6L/Manual	4.10	Two–Door Rubicon Model (4WD)	8,600 lbs (3 900 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)
3.6L/Automatic	3.73	Two–Door Rubicon Model (4WD)	8,600 lbs (3 900 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)
3.6L/Automatic	4.10	Two–Door Rubicon Model (4WD)	8,600 lbs (3 900 kg)	25 sq ft (2.32 sq m)	3,500 lbs (1 588 kg)	350 lbs (1 598 kg)

Engine/ Transmission	Axle	Model	GCWR (Gross Combined Wt. Rating)	Frontal Area	Max. GTW (Gross Trailer Wt.)	Max. Trailer Tongue Wt. (See Note)
3.6L/Manual	3.21	Four–Door Sport Model (4WD)	7,400 lbs (3 357 kg)	32 sq ft (2.97 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Manual	3.73	Four–Door Sport Model (4WD)	8,900 lbs (4 037 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)
3.6L/Automatic	3.21	Four–Door Sport Model (4WD)	7,400 lbs (3 357 kg)	32 sq ft (2.97 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Automatic	3.73	Four–Door Sport Model (4WD)	8,900 lbs (4 037 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)
3.6L/Manual	3.21	Four–Door Sahara Model (4WD)	7,500 lbs (3 402 kg)	32 sq ft (2.97 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Manual	3.73	Four–Door Sahara Model (4WD)	9,000 lbs (4 082 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)
3.6L/Automatic	3.21	Four–Door Sahara Model (4WD)	7,500 lbs (3 402 kg)	32 sq ft (2.97 sq m)	2,000 lbs (907 kg)	200 lbs (91 kg)
3.6L/Automatic	3.73	Four–Door Sahara Model (4WD)	9,000 lbs (4 082 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)
3.6L/Manual	4.10	Four–Door Rubicon Model (4WD)	9,200 lbs (4 173 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)

Engine/ Transmission	Axle	Model	GCWR (Gross Combined Wt. Rating)	Frontal Area	Max. GTW (Gross Trailer Wt.)	Max. Trailer Tongue Wt. (See Note)
3.6L/Automatic	3.73	Four–Door Rubicon Model (4WD)	9,200 lbs (4 173 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)
3.6L/Automatic	4.10	Four–Door Rubicon Model (4WD)	9,200 lbs (4 173 kg)	32 sq ft (2.97 sq m)	3,500 lbs (1 587 kg)	350 lbs (159 kg)
Refer to local laws for maximum trailer towing speeds.						

NOTE:
The trailer tongue weight must be considered as part of the combined weight of occupants and cargo (ie. the GVWR), and the GVWR should never exceed the weight referenced on the Tire and Loading Information placard. Refer to “Tire Safety Information” in “Starting And Operating” in the Owner’s Manual on the DVD for further information.

RECREATIONAL TOWING (BEHIND MOTORHOME, ETC.)

Towing This Vehicle Behind Another Vehicle

Towing Condition	Wheels OFF the Ground	Four-Wheel Drive Models
Flat Tow	NONE	**See Instructions** • Automatic transmission in PARK • Manual transmission in gear (NOT in NEUTRAL [N]) • Transfer case in NEUTRAL (N) • Tow in forward direction
Dolly Tow	Front	NOT ALLOWED
	Rear	NOT ALLOWED
On Trailer	ALL	OK

NOTE:
When recreational towing your vehicle, always follow applicable state and provincial laws. Contact state and provincial Highway Safety offices for additional details.

Recreational Towing — Four-Wheel Drive Models

NOTE:
The transfer case must be shifted into **NEUTRAL (N),** automatic transmission must be shifted into **PARK,** and manual transmission must be placed in gear (NOT in NEUTRAL) for recreational towing.

CAUTION!

- DO NOT dolly tow any 4WD vehicle. Towing with only one set of wheels on the ground (front or rear) will cause severe transmission and/or transfer case damage. Tow with all four wheels either ON the ground, or OFF the ground (using a vehicle trailer).
- Tow only in the forward direction. Towing this vehicle backwards can cause severe damage to the transfer case.
- Automatic transmissions must be placed in PARK for recreational towing.
- Manual transmissions must be placed in gear (not in Neutral) for recreational towing.
- Before recreational towing, perform the procedure outlined under "Shifting Into NEUTRAL (N)" to be certain that the transfer case is fully in NEUTRAL (N). Otherwise, internal damage will result.
- Towing this vehicle in violation of the above requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.
- Do not use a bumper-mounted clamp-on tow bar on your vehicle. The bumper face bar will be damaged.

Shifting Into NEUTRAL (N)

Use the following procedure to prepare your vehicle for recreational towing.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the NEUTRAL (N) position without first fully engaging the parking brake. The transfer case NEUTRAL (N) position disengages both the front and rear drive shaft from the powertrain, and will allow the vehicle to roll, even if the automatic transmission is in PARK (or manual transmission is in gear). The parking brake should always be applied when the driver is not in the vehicle.

CAUTION!

It is necessary to follow these steps to be certain that the transfer case is fully in NEUTRAL (N) before recreational towing to prevent damage to internal parts.

1. Bring the vehicle to a complete stop.
2. Press and hold the brake pedal.
3. Shift the automatic transmission into NEUTRAL or depress the clutch pedal on a manual transmission.
4. Turn the engine OFF.
5. Shift the transfer case lever into NEUTRAL (N).
6. Start the engine.
7. Shift the transmission into REVERSE.
8. Release the brake pedal (and clutch pedal on manual transmissions) for five seconds and ensure that there is no vehicle movement.
9. Repeat Steps 7 and 8 with automatic transmission in DRIVE or manual transmission in first gear.
10. Turn the engine OFF.
11. Firmly apply the parking brake.
12. Shift the transmission into PARK or place manual transmission in gear (NOT in NEUTRAL).

CAUTION!

Damage to the transmission may occur if the transmission is shifted into PARK with the transfer case in NEUTRAL (N) and the engine running. With the transfer case in NEUTRAL (N) ensure that the engine is OFF before shifting the transmission into PARK.

13. Attach the vehicle to the tow vehicle using a suitable tow bar.
14. Release the parking brake.

Shifting Out of NEUTRAL (N)

Use the following procedure to prepare your vehicle for normal usage.

1. Bring the vehicle to a complete stop, leaving it connected to the tow vehicle.
2. Firmly apply the parking brake.
3. Turn the ignition switch to the LOCK position.
4. Turn the ignition switch to the ON/RUN position, but do not start the engine.
5. Press and hold the brake pedal.
6. Shift the transmission into NEUTRAL.
7. Shift the transfer case lever to the desired position.

NOTE:
When shifting the transfer case out of NEUTRAL (N), the engine should remain OFF to avoid gear clash.

8. Shift the automatic transmission into PARK, or place manual transmission in NEUTRAL.
9. Release the brake pedal.
10. Disconnect vehicle from the tow vehicle.
11. Start the engine.
12. Press and hold the brake pedal.
13. Release the parking brake.
14. Shift the transmission into gear, release the brake pedal (and clutch pedal on manual transmissions), and check that the vehicle operates normally.

ROADSIDE ASSISTANCE

Dial toll-free 1-800-521-2779 for U.S. Residents or 1-800-363-4869 for Canadian Residents.

- Provide your name, vehicle identification number, license plate number, and your location, including the telephone number from which you are calling.
- Briefly describe the nature of the problem and answer a few simple questions.
- You will be given the name of the service provider and an estimated time of arrival. If you feel you are in an "unsafe situation", please let us know. With your consent, we will contact local police or safety authorities.

INSTRUMENT CLUSTER WARNING LIGHTS

- Electronic Stability Control (ESC) Activation/Malfunction Indicator Light

If the "ESC Activation/Malfunction Indicator Light" comes on continuously with the engine running, a malfunction has been detected in the ESC system. If this light remains on after several ignition cycles, and the vehicle has been driven several miles (kilometers) at speeds greater than 30 mph (48 km/h), we recommend you drive to the nearest service center and have the vehicle serviced immediately.

The "ESC Activation/Malfunction Indicator Light" starts to flash as soon as the tires lose traction and the ESC system becomes active. If the light begins to flash during acceleration, ease up on the accelerator and apply as little throttle as possible. Be sure to adapt your speed and driving to the prevailing road conditions. The light also flashes when Traction Control System (TCS) is active. To improve the vehicle's traction when starting off in deep snow, sand or gravel, it may be desirable to switch the ESC system to Partial Off mode by momentarily pushing the ESC Off switch.

– Tire Pressure Monitoring System (TPMS) Light

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires).

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life and may affect the vehicle's handling and stopping ability.

IF THE LIGHT STARTS FLASHING INDICATING A LOW TIRE PRESSURE, ADJUST THE AIR PRESSURE IN THE LOW TIRE TO THE AIR PRESSURE SHOWN ON THE VEHICLE PLACARD OR TIRE INFLATION PRESSURE LABEL LOCATED ON THE DRIVER'S DOOR.

NOTE:
AFTER INFLATION, THE VEHICLE MAY NEED TO BE DRIVEN FOR 20 MINUTES BEFORE THE FLASHING LIGHT WILL TURN OFF.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale.

When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

NOTE:
Tire pressures change by approximately 1 psi (7 kPa) per 12° F (7° C) of air temperature change. Keep this in mind when checking tire pressure inside a garage, especially in the Winter. Example: If garage temperature is 68°F (20°C), and the outside temperature is 32°F (0°C), then the cold tire inflation pressure should be increased by 3 psi (21 kPa), which equals 1 psi (7 kPa) for every 12°F (7°C) for this outside temperature condition.

CAUTION!

The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage. Do not use tire sealant from a can, or balance beads if your vehicle is equipped with a TPMS, as damage to the sensors may result.

– Engine Temperature Warning Light

This light warns of an overheated engine condition.

If the light turns on and a warning chime sounds while driving, safely pull over and stop the vehicle. If the A/C system is on, turn it off. Also, shift the transmission into NEUTRAL and idle the vehicle. If the temperature reading does not return to normal, turn the engine off immediately.

We recommend that you do not operate the vehicle or engine damage will occur. Have the vehicle serviced immediately.

WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant.

BRAKE – Brake Warning Light

This light monitors various brake functions, including brake fluid level and parking brake application. If the brake light turns on, it may indicate that the parking brake is applied, that the brake fluid level is low, or that there is a problem with the brake system master cylinder reservoir.

If the light remains on when the parking brake has been disengaged, and the fluid level is at the full mark on the master cylinder reservoir, it indicates a possible brake hydraulic system malfunction or that a problem with the Brake Booster has been detected by the Anti-Lock Brake System (ABS)/Electronic Stability Control (ESC) system. In this case, the light will remain on until the condition has been corrected. If the problem is related to the brake booster, the ABS pump will run when applying the brake, and a brake pedal pulsation may be felt during each stop.

The dual brake system provides a reserve braking capacity in the event of a failure to a portion of the hydraulic system. A leak in either half of the dual brake system is indicated by the Brake Warning Light, which will turn on when the brake fluid level in the master cylinder has dropped below a specified level. The light will remain on until the cause is corrected.

Vehicles equipped with the Anti-Lock Brake System (ABS) are also equipped with Electronic Brake Force Distribution (EBD). In the event of an EBD failure, the Brake Warning Light will turn on along with the ABS Light. Immediate repair to the ABS system is required.

Operation of the Brake Warning Light can be checked by turning the ignition switch from the OFF position to the ON/RUN position. The light should illuminate for approximately two seconds. The light should then turn off unless the parking brake is applied or a brake fault is detected. If the light does not illuminate, have the light inspected by an authorized dealer.

The light also will turn on when the parking brake is applied with the ignition switch in the ON/RUN position.

NOTE:
This light shows only that the parking brake is applied. It does not show the degree of brake application.

WARNING!
Driving a vehicle with the red brake light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle. You could have a collision. Have the vehicle checked immediately.

– Malfunction Indicator Light (MIL)

Certain conditions, such as a loose or missing gas cap, poor fuel quality, etc., may illuminate the MIL after engine start. The vehicle should be serviced if the light stays on through several typical driving cycles. In most situations, the vehicle will drive normally and not require towing.

If the MIL flashes when the engine is running, serious conditions may exist that could lead to immediate loss of power or severe catalytic converter damage. We recommend you do not operate the vehicle. Have the vehicle serviced immediately.

- Electronic Stability Control (ESC) OFF Activation/Malfunction Warning Light

If the ESC OFF warning light comes on continuously with the engine running, a malfunction has been detected.

If this light remains on after several ignition cycles, and the vehicle has been driven several miles (kilometers) at speeds greater than 30 mph (48 km/h), we recommend you drive to the nearest service center and have the vehicle serviced immediately.

– Charging System Light

This light shows the status of the electrical charging system. If the charging system light remains on, it means that the vehicle is experiencing a problem with the charging system.

We recommend you do not continue driving if the charging system light is on. Have the vehicle serviced immediately.

– Oil Pressure Warning Light

This light indicates low engine oil pressure. If the light turns on while driving, stop the vehicle and shut off the engine as soon as possible. A chime will sound when this light turns on.

We recommend you do not operate the vehicle or engine damage will occur. Have the vehicle serviced immediately.

– Anti-Lock Brake (ABS) Light

This light monitors the Anti-Lock Brake System (ABS).

If the light is not on during starting, stays on or turns on while driving, we recommend you contact the nearest authorized dealer and have the vehicle serviced immediately.

– Electronic Throttle Control (ETC) Indicator Light

This light informs you of a problem with the system.

If a problem is detected, the light will come on while the engine is running. Cycle the ignition when the vehicle has completely stopped and the shift lever is placed in the PARK position; the light should turn off.

If the light remains lit with the engine running, your vehicle will usually be drivable. However, see an authorized dealer immediately. If the light is flashing when the engine is running, immediate service is required, and you may experience reduced performance, an elevated/rough idle or engine stall, and your vehicle may require towing.

- Air Bag Warning Light

This light will turn on for four to eight seconds as a bulb check when the ignition switch is first turned to the ON/RUN position. If the light is either not on during starting, stays on, or turns on while driving, have the system inspected at an authorized dealer as soon as possible. Refer to “Occupant Restraints” in “Things To Know Before Starting Your Vehicle” in your Owner’s Manual on the DVD for further information.

NOTE:
The Air Bag System is designed to be maintenance free.

Oil Change Indicator

Message

If an “oil change” message (shown as “Change Oil Soon” and “Oil Change Needed”) appears and a single chime sounds, it is time for your next required oil change.

Resetting The Light After Servicing

1. Turn the ignition switch to the ON/RUN position (do not start engine).
2. Fully depress the accelerator pedal three times within 10 seconds.
3. Turn the ignition switch to the OFF/LOCK position.

- Low Fuel Warning Light

If the Low Fuel Warning Light comes on the fuel level is approximately 2.8 gal (10.6 L), this light will turn on and a single chime will sound until fuel is added.

- Seat Belt Reminder Light

When the ignition switch is first turned to ON/RUN, this light will turn on for four to eight seconds as a bulb check. During the bulb check, if the driver's seat belt is unbuckled, a chime will sound. After the bulb check or when driving, if the driver seat belt remains unbuckled, the Seat Belt Reminder Light will flash or remain on continuously.

INSTRUMENT CLUSTER INDICATOR LIGHTS

– Turn Signal Indicator

The arrows will flash with the exterior turn signals when the turn signal lever is operated. A tone will chime, and a EVIC message will appear if either turn signal is left on for more than 1 mile (1.6 km).

NOTE:
If either indicator flashes at a rapid rate, check for a defective outside light bulb.

– High Beam Indicator

Indicates that headlights are on high beam.

– Front Fog Light Indicator

This indicator will illuminate when the front fog lights are on.

– Front Axle Lock Indicator

Indicates that the front axle is locked.

- Rear Axle Lock Indicator

Indicates that the rear axle is locked.

– Vehicle Security Light

This light will flash rapidly for approximately 15 seconds when the vehicle security alarm is arming. The light will flash at a slower speed continuously after the alarm is set. The security light will also come on for about three seconds when the ignition is first turned on.

4WD – 4WD Indicator

This light indicates the vehicle is in 4-wheel drive (4WD) mode.

SWAY BAR - Sway Bar

Indicates that the sway bar has been disconnected.

– Electronic Stability Control (ESC) OFF Indicator Light

This light indicates the Electronic Stability Control (ESC) is off.

CRUISE - Cruise Set Indicator

Indicates that the cruise control has been set.

IF YOUR ENGINE OVERHEATS

In any of the following situations, you can reduce the potential for overheating by taking the appropriate action.

- On the highways — slow down.
- In city traffic — while stopped, shift transmission into NEUTRAL, but do not increase engine idle speed.

CAUTION!

Driving with a hot cooling system could damage your vehicle. If the temperature gauge reads HOT (H), pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on HOT (H), and you hear continuous chimes, turn the engine off immediately, and call for service.

NOTE:

There are steps that you can take to slow down an impending overheat condition:

- If your air conditioner (A/C) is on, turn it off. The A/C system adds heat to the engine cooling system and turning the A/C off can help remove this heat.
- You can also turn the temperature control to maximum heat, the mode control to floor and the blower control to high. This allows the heater core to act as a supplement to the radiator and aids in removing heat from the engine cooling system.

WARNING!

You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never try to open a cooling system pressure cap when the radiator or coolant bottle is hot.

JACKING AND TIRE CHANGING

WARNING!

- Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid the danger of being hit when operating the jack or changing the wheel.
- Being under a jacked-up vehicle is dangerous. The vehicle could slip off the jack and fall on you. You could be crushed. Never put any part of your body under a vehicle that is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Never start or run the engine while the vehicle is on a jack.
- The jack is designed to be used as a tool for changing tires only. The jack should not be used to lift the vehicle for service purposes. The vehicle should be jacked on a firm level surface only. Avoid ice or slippery areas.

Jack Location

The jack and lug wrench are located in the rear storage compartment.

NOTE:
Turn the black plastic wing nut counterclockwise to loosen the jack from the storage bin.

Spare Tire Removal

To remove the spare tire from the carrier, remove the tire cover, if equipped, and remove the lug nuts with the lug wrench turning them counterclockwise.

NOTE:
If you have added aftermarket accessories to the spare tire mounted carrier, it cannot exceed a gross weight of 85 lbs (38.5 kg) including the weight of the spare tire.

Plastic Wing Nut Location

Preparations For Jacking

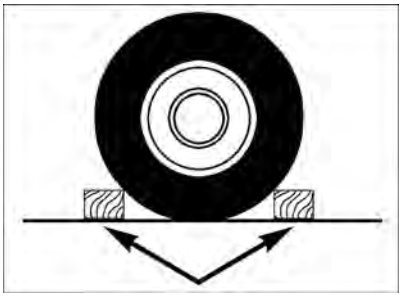
1. Park on a firm, level surface. Avoid ice or slippery areas.

WARNING!

Do not attempt to change a tire on the side of the vehicle close to moving traffic, pull far enough off the road to avoid being hit when operating the jack or changing the wheel.

2. Turn on the Hazard Warning flasher.
3. Set the parking brake.
4. Shift the automatic transmission into PARK, or a manual transmission into REVERSE.
5. Turn the ignition to LOCK.
6. Block both the front and rear of the wheel diagonally opposite of the jacking position. For example, if changing the right front tire, block the left rear wheel.

NOTE:
Passengers should not remain in the vehicle when the vehicle is being jacked.



Wheel Blocked

Jacking Instructions

WARNING!

Carefully follow these tire changing warnings to help prevent personal injury or damage to your vehicle:

- Always park on a firm, level surface as far from the edge of the roadway as possible before raising the vehicle.
- Turn on the Hazard Warning flasher.
- Block the wheel diagonally opposite the wheel to be raised.
- Set the parking brake firmly and set an automatic transmission in PARK; a manual transmission in REVERSE.
- Never start or run the engine with the vehicle on a jack.
- Do not let anyone sit in the vehicle when it is on a jack.
- Do not get under the vehicle when it is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Only use the jack in the positions indicated and for lifting this vehicle during a tire change.
- If working on or near a roadway, be extremely careful of motor traffic.
- To assure that spare tires, flat or inflated, are securely stowed, spares must be stowed with the valve stem facing the ground.

Warning Label

CAUTION!

Do not attempt to raise the vehicle by jacking on locations other than those indicated in the Jacking Instructions for this vehicle.

1. Remove the spare tire, jack and tools from the stored location.
2. Loosen (but do not remove) the wheel lug nuts by turning them to the left one turn while the wheel is still on the ground.
3. Assemble the jack and jacking tools. Connect the jack handle driver to the extension, then to the lug wrench.

4. Operate the jack from the front or the rear of the vehicle. Place the jack under the axle tube, as shown. **Do not raise the vehicle until you are sure the jack is fully engaged.**

Front Jack Engagement Location

Rear Jack Engagement Location

5. Raise the vehicle by turning the jack screw clockwise. Raise the vehicle only until the tire just clears the surface and enough clearance is obtained to install the spare tire. Minimum tire lift provides maximum stability.

WARNING!
Raising the vehicle higher than necessary can make the vehicle less stable and cause a collision. It could slip off the jack and hurt someone near it. Raise the vehicle only enough to remove the tire.

6. Remove the lug nuts and wheel.

7. Position the spare wheel/tire on the vehicle and install the lug nuts with the cone-shaped end toward the wheel. Lightly tighten the lug nuts clockwise.

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts fully until the vehicle has been lowered. Failure to follow this warning may result in serious injury.

8. Lower the vehicle by turning the jack screw to the left, and remove the jack.
9. Finish tightening the lug nuts. Push down on the wrench while tightening for increased leverage. Alternate nuts until each nut has been tightened twice. The correct wheel nut tightness is 100 ft lbs (135 N·m). If in doubt about the correct tightness, have them checked with a torque wrench by your authorized dealer or at a service station.
10. Remove the jack assembly and wheel blocks.
11. Secure the tire, jack, and tools in their proper locations.

WARNING!

A loose tire or jack thrown forward in a collision or hard stop, could endanger the occupants of the vehicle. Always stow the jack parts and the spare tire in the places provided.

Road Tire Installation

1. Mount the road tire on the axle.
2. Install the remaining lug nuts with the cone shaped end of the nut toward the wheel. Lightly tighten the lug nuts.

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts fully until the vehicle has been lowered. Failure to follow this warning may result in serious injury.

3. Lower the vehicle to the ground by turning the jack handle counterclockwise.
4. Finish tightening the lug nuts. Push down on the wrench while tightening for increased leverage. Alternate nuts until each nut has been tightened twice. The correct wheel nut tightness is 100 ft lbs (135 N·m). If in doubt about the correct tightness, have them checked with a torque wrench by your authorized dealer or at a service station.
5. After 25 miles (40 km) check the lug nut torque with a torque wrench to ensure that all lug nuts are properly seated against the wheel.

JUMP-STARTING PROCEDURES

If your vehicle has a discharged battery it can be jump-started using a set of jumper cables and a battery in another vehicle or by using a portable battery booster pack. Jump-starting can be dangerous if done improperly so please follow the procedures in this section carefully.

NOTE:
When using a portable battery booster pack follow the manufacturer's operating instructions and precautions.

CAUTION!

Do not use a portable battery booster pack or any other booster source with a system voltage greater than 12 Volts or damage to the battery, starter motor, alternator or electrical system may occur.

WARNING!

Do not attempt jump-starting if the battery is frozen. It could rupture or explode and cause personal injury.

Preparations For Jump-Start

The battery in your vehicle is located in the right rear of the engine compartment, behind the Power Distribution Center.

Positive Battery Post

WARNING!

- Take care to avoid the radiator cooling fan whenever the hood is raised. It can start anytime the ignition switch is ON. You can be injured by moving fan blades.
- Remove any metal jewelry such as rings, watch bands and bracelets that could make an inadvertent electrical contact. You could be seriously injured.
- Batteries contain sulfuric acid that can burn your skin or eyes and generate hydrogen gas which is flammable and explosive. Keep open flames or sparks away from the battery.

1. Set the parking brake, shift the automatic transmission into PARK (manual transmission in NEUTRAL) and turn the ignition to LOCK.
2. Turn off the heater, radio, and all unnecessary electrical accessories.
3. If using another vehicle to jump-start the battery, park the vehicle within the jumper cables reach, set the parking brake and make sure the ignition is OFF.

WARNING!

Do not allow vehicles to touch each other as this could establish a ground connection and personal injury could result.

Jump Starting Procedure

WARNING!

Failure to follow this jump-starting procedure could result in personal injury or property damage due to battery explosion.

CAUTION!

Failure to follow these procedures could result in damage to the charging system of the booster vehicle or the discharged vehicle.

Connecting The Jumper Cables

1. Connect the positive **(+)** end of the jumper cable to the positive **(+)** post of the discharged vehicle.
2. Connect the opposite end of the positive **(+)** jumper cable to the positive **(+)** post of the booster battery.
3. Connect the negative **(-)** end of the jumper cable to the negative **(-)** post of the booster battery.
4. Connect the opposite end of the negative **(-)** jumper cable to a good engine ground (exposed metal part of the discharged vehicle's engine) away from the battery and the fuel injection system.

WARNING!

Do not connect the jumper cable to the negative (-) post of the discharged battery. The resulting electrical spark could cause the battery to explode and could result in serious injury. Only use the specific ground point, do not use any other exposed metal parts.

5. Start the engine in the vehicle that has the booster battery, let the engine idle a few minutes, and then start the engine in the vehicle with the discharged battery.
6. Once the engine is started, remove the jumper cables in the reverse sequence:

Disconnecting The Jumper Cables

1. Disconnect the negative **(-)** end of the jumper cable from the engine ground of the vehicle with the discharged battery.
2. Disconnect the opposite end of the negative **(-)** jumper cable from the negative **(-)** post of the booster battery.
3. Disconnect the positive **(+)** end of the jumper cable from the positive **(+)** post of the booster battery.
4. Disconnect the opposite end of the positive **(+)** jumper cable from the positive **(+)** post of the vehicle with the discharged battery.

If frequent jump starting is required to start your vehicle you should have the battery and charging system inspected at your authorized dealer.

CAUTION!

Accessories plugged into the vehicle power outlets draw power from the vehicle's battery, even when not in use (i.e., cellular devices, etc.). Eventually, if plugged in long enough without engine operation, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.

EMERGENCY TOW HOOKS – IF EQUIPPED

If your vehicle is equipped with tow hooks, they are mounted in the front and the rear.

NOTE:
For off-road recovery, it is recommended to use both of the front tow hooks to minimize the risk of damage to the vehicle. Always use an appropriately rated tow strap.

WARNING!

- Do not use a chain for freeing a stuck vehicle. Chains may break, causing serious injury or death.
- Stand clear of vehicles when pulling with tow hooks. Tow straps may become disengaged, causing serious injury.

CAUTION!

Tow hooks are for emergency use only, to rescue a vehicle stranded off road. Do not use tow hooks for tow truck hookup or highway towing. You could damage your vehicle. Tow straps are recommended when towing the vehicle, chains may cause vehicle damage.

SHIFT LEVER OVERRIDE

If a malfunction occurs and the shift lever cannot be moved out of the PARK position, you can use the following procedure to temporarily move the shift lever:

Shift Lever Override Location

1. Turn the engine OFF.
2. Firmly apply the parking brake.
3. Using a small screwdriver or similar tool, remove the shift lever override access cover (located to the right of the shift lever).
4. Turn the ignition to the ACC or ON/RUN position, but do not start the engine.
5. Push and maintain firm pressure on the brake pedal.
6. Insert the screwdriver or similar tool into the access port, and push and hold the override release lever down.
7. Move the shift lever to the NEUTRAL position.
8. The vehicle may then be started in NEUTRAL.
9. Reinstall the shift lever override access cover.

TOWING A DISABLED VEHICLE

This section describes procedures for towing a disabled vehicle using a commercial towing service. If the transmission and drivetrain are operable, disabled vehicles may also be towed as described under "Recreational Towing" in the "Starting And Operating" section of the Owners Manual on your DVD.

Towing Condition	Wheels OFF the Ground	4WD MODELS
Flat Tow	NONE	**See instructions under "Recreational Towing" in the Owners Manual on your DVD** • Automatic Transmission in **PARK** • Manual Transmission in gear (**NOT** in Neutral) • Transfer Case in **NEUTRAL** • Tow in **forward** direction
Wheel Lift or Dolly Tow	Front	**NOT ALLOWED**
	Rear	**NOT ALLOWED**
Flatbed	**ALL**	**BEST METHOD**

Proper towing or lifting equipment is required to prevent damage to your vehicle. Use only tow bars and other equipment designed for this purpose, following equipment manufacturer's instructions. Use of safety chains is mandatory. Attach a tow bar or other towing device to main structural members of the vehicle, not to bumpers or associated brackets. State and local laws regarding vehicles under tow must be observed.

If you must use the accessories (wipers, defrosters, etc.) while being towed, the ignition must be in the ON/RUN position, not the ACC position.

If the vehicle's battery is discharged, refer to "Shift Lever Override" in this section for instructions on shifting the automatic transmission out of PARK for towing.

CAUTION!

- Do not use sling type equipment when towing. Vehicle damage may occur.
- When securing the vehicle to a flatbed truck, do not attach to front or rear suspension components. Damage to your vehicle may result from improper towing.

Without The Ignition Key

Special care must be taken when the vehicle is towed with the ignition in the LOCK position. The only approved method of towing without the ignition key is with a flatbed truck. Proper towing equipment is necessary to prevent damage to the vehicle.

Four–Wheel Drive Models

The manufacturer recommends towing with all wheels **OFF** the ground. Acceptable methods are to tow the vehicle on a flatbed or with one end of the vehicle raised and the opposite end on a towing dolly.

If flatbed equipment is not available and the transfer case is operable, the vehicle may be towed (in the forward direction, with **ALL** wheels on the ground), **IF** the transfer case is in **NEUTRAL** (N) and the transmission is in **PARK** (for automatic transmissions) or in gear (**NOT** in **NEUTRAL**, for manual transmissions). Refer to "Recreational Towing" in "Starting And Operating" in the Owners Manual on the DVD for detailed instructions.

CAUTION!

- Front or rear wheel lifts must not be used. Internal damage to the transmission or transfer case will occur if a front or rear wheel lift is used when towing.
- Towing this vehicle in violation of the above requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

FREEING A STUCK VEHICLE

If your vehicle becomes stuck in mud, sand or snow, it can often be moved using a rocking motion. Turn the steering wheel right and left to clear the area around the front wheels. Then shift back and forth between DRIVE and REVERSE (with automatic transmission) or 2nd gear and REVERSE (with manual transmission), while gently pressing the accelerator. Use the least amount of accelerator pedal pressure that will maintain the rocking motion, without spinning the wheels, or racing the engine.

CAUTION!

Racing the engine or spinning the wheels may lead to transmission overheating and failure. Allow the engine to idle with the transmission in NEUTRAL for at least one minute after every five rocking-motion cycles. This will minimize overheating and reduce the risk of clutch or transmission failure during prolonged efforts to free a stuck vehicle.

NOTE:
Push the "ESC Off" switch, to place the Electronic Stability Control (ESC) system in "Partial Off" mode, before rocking the vehicle. Refer to “Electronic Brake Control” in “Starting And Operating” in the Owner’s Manual on the DVD for further information. Once the vehicle has been freed, push the "ESC Off" switch again to restore "ESC On" mode.

CAUTION!

- When “rocking” a stuck vehicle by shifting between DRIVE/2nd gear and REVERSE, do not spin the wheels faster than 15 mph (24 km/h), or drivetrain damage may result.
- Revving the engine or spinning the wheels too fast may lead to transmission overheating and failure. It can also damage the tires. Do not spin the wheels above 30 mph (48 km/h) while in gear (no transmission shifting occurring).

WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause damage, or even failure, of the axle and tires. A tire could explode and injure someone. Do not spin your vehicle's wheels faster than 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping when you are stuck and do not let anyone near a spinning wheel, no matter what the speed.

ENHANCED ACCIDENT RESPONSE SYSTEM (EARS)

This vehicle is equipped with an Enhanced Accident Response System.

Please refer to “Supplemental Restraint System (SRS) — Air Bags” in “Getting Started” in this guide for further information on the Enhanced Accident Response System (EARS) function.

EVENT DATA RECORDER (EDR)

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle’s systems performed.

Please refer to “Supplemental Restraint System (SRS) — Air Bags” in “Getting Started” in this guide for further information on the Event Data Recorder (EDR).

TO OPEN AND CLOSE THE HOOD

Release both the hood latches.

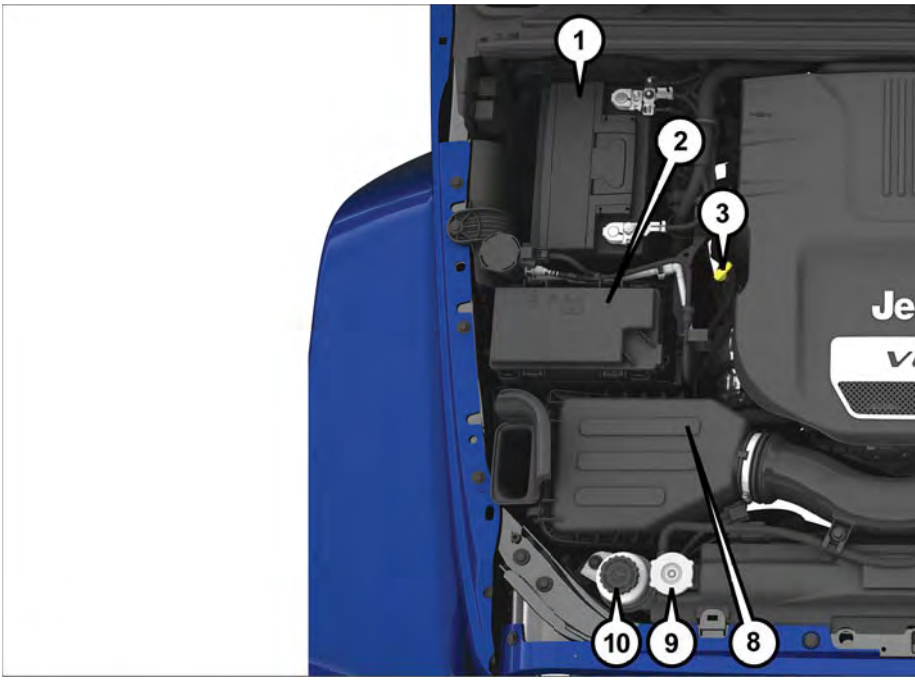
Raise the hood and locate the safety latch, located in the middle of the hood opening. Push the safety latch to the left side of the vehicle, to open the hood. You may have to push down slightly on the hood before pushing the safety latch. Insert the support rod into the slot on the hood.

To close the hood, remove the support rod from the hood panel and place it in the retaining clip. Lower the hood slowly. Secure both of the hood latches.

Hood Latch Location

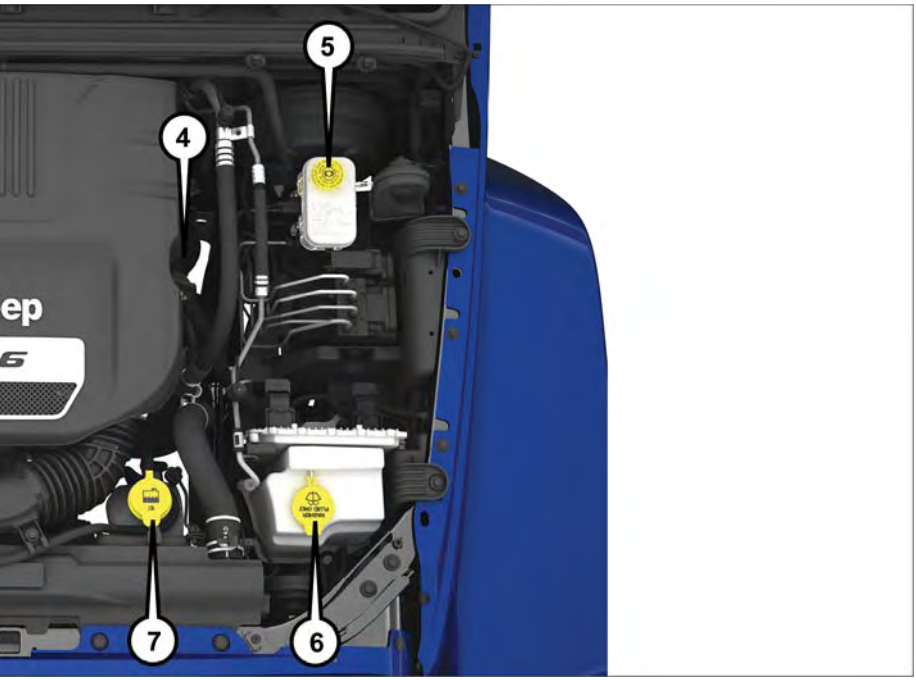
WARNING!

Be sure the hood is fully latched before driving your vehicle. If the hood is not fully latched, it could open when the vehicle is in motion and block your vision. Failure to follow this warning could result in serious injury or death.



ENGINE COMPARTMENT — 3.6L

1. Battery
2. Integrated Power Module (Fuses)
3. Engine Oil Dipstick
4. Engine Oil Fill
5. Brake Fluid Reservoir



6. Washer Fluid Reservoir
7. Engine Coolant Reservoir
8. Air Cleaner Filter
9. Coolant Pressure Cap
10. Power Steering Fluid Reservoir

FLUID CAPACITIES

	U.S.	Metric
Fuel (Approximate)		
Two Door Models	18.6 Gallons	70 Liters
Four Door Models	22.5 Gallons	85 Liters
Engine Oil with Filter		
3.6L Engine	6 Quarts	5.6 Liters
Cooling System *		
3.6L Engine (MOPAR Antifreeze/Engine Coolant 10 Year/150,000 Mile Formula or equivalent)	10.5 Quarts	9.9 Liters
* Includes coolant recovery bottle filled to MAX level.		

FLUIDS, LUBRICANTS, AND GENUINE PARTS

Engine

Component	Fluid, Lubricant, or Genuine Part
Engine Coolant	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology) or equivalent meeting the requirements of FCA Material Standard MS.90032.
Engine Oil	We recommend you use API Certified SAE 5W-20 Engine Oil, meeting the requirements of FCA US Material Standard MS-6395 such as MOPAR, Pennzoil, and Shell Helix. Refer to your engine oil filler cap for correct SAE grade.
Engine Oil Filter	We recommend you use MOPAR Engine Oil Filter or equivalent.
Spark Plugs	We recommend you use MOPAR Spark Plugs.
Fuel Selection	87 Octane, 0-15% Ethanol.

CAUTION!

- Mixing of engine coolant (antifreeze) other than specified Organic Additive Technology (OAT) engine coolant (antifreeze), may result in engine damage and may decrease corrosion protection. Organic Additive Technology (OAT) engine coolant is different and should not be mixed with Hybrid Organic Additive Technology (HOAT) engine coolant (antifreeze) or any "globally compatible" coolant (antifreeze). If a non-OAT engine coolant (antifreeze) is introduced into the cooling system in an emergency, the cooling system will need to be drained, flushed, and refilled with fresh OAT coolant (conforming to MS.90032), by an authorized dealer as soon as possible.
- Do not use water alone or alcohol-based engine coolant (antifreeze) products. Do not use additional rust inhibitors or antirust products, as they may not be compatible with the radiator engine coolant and may plug the radiator.
- This vehicle has not been designed for use with propylene glycol-based engine coolant (antifreeze). Use of propylene glycol-based engine coolant (antifreeze) is not recommended.

Chassis

Component	Fluid, Lubricant, or Genuine Part
Automatic Transmission – If Equipped	Use only ATF+4 Automatic Transmission Fluid. Failure to use ATF+4 fluid may affect the function or performance of your transmission. We recommend MOPAR ATF+4 fluid.
Manual Transmission – If Equipped	We recommend you use MOPAR Manual Transmission Lubricant meeting the requirements of FCA US Material Standard MS-9224.
Transfer Case	We recommend you use MOPAR ATF+4 Automatic Transmission Fluid.
Axle Differential (Front)	We recommend you use MOPAR Gear & Axle Lubricant (SAE 80W-90) (API GL-5).
Axle Differential (Rear)	**226 RBI (Model 44)** – We recommend you use MOPAR Gear & Axle Lubricant (SAE 80W-90) (API GL-5) or equivalent. For trailer towing, use MOPAR Synthetic Gear & Axle Lubricant (SAE 75W-140). Models equipped with Trac-Lok require an additive.
Brake Master Cylinder	We recommend you use MOPAR DOT 3 Brake Fluid, SAE J1703. If DOT 3, SAE J1703 brake fluid is not available, then DOT 4 is acceptable.
Power Steering Reservoir	We recommend you use MOPAR Power Steering Fluid +4, MOPAR ATF+4 Automatic Transmission Fluid.

MAINTENANCE PROCEDURES

For information on the maintenance procedures for your vehicle, please refer to "Maintenance Procedures" in "Maintaining Your Vehicle" in your Owner's Manual or applicable supplement on the DVD for further details.

MAINTENANCE SCHEDULE

Your vehicle is equipped with an automatic oil change indicator system. The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

Based on engine operation conditions, the oil change indicator message will illuminate. This means that service is required for your vehicle. Operating conditions such as frequent short-trips, trailer tow, extremely hot or cold ambient temperatures will influence when the "Change Oil" or "Oil Change Required" message is displayed. Severe Operating Conditions can cause the change oil message to illuminate as early as 3,500 miles (5,600 km) since last reset. Have your vehicle serviced as soon as possible, within the next 500 miles (805 km).

On Electronic Vehicle Information Center (EVIC) equipped vehicles, "Oil Change Required" will be displayed in the EVIC and a single chime will sound, indicating that an oil change is necessary.

On Non-EVIC equipped vehicles, "Change Oil" will flash in the instrument cluster odometer and a single chime will sound, indicating that an oil change is necessary.

Your authorized dealer will reset the oil change indicator message after completing the scheduled oil change. If a scheduled oil change is performed by someone other than your authorized dealer, the message can be reset by referring to the steps described under "Instrument Cluster Warning Lights" in "What To Do In Emergencies" in this guide or "Instrument Cluster Descriptions" or "Electronic Vehicle Information Center (EVIC)" in "Understanding Your Instrument Panel" in the Owner's Manual on your DVD for further information.

NOTE:
Under no circumstances should oil change intervals exceed 10,000 miles (16,000 km), twelve months or 350 hours of engine run time, whichever comes first. The 350 hours of engine run or idle time is generally only a concern for fleet customers.

Severe Duty All Models

Change Engine Oil at 4,000 miles (6,500 km) if the vehicle is operated in a dusty and off road environment or is operated predominately at idle or only very low engine RPM's. This type of vehicle use is considered Severe Duty.

Once A Month Or Before A Long Trip:

- Check engine oil level
- Check windshield washer fluid level
- Check the tire inflation pressures and look for unusual wear or damage
- Check the fluid levels of the coolant reservoir, brake master cylinder, power steering and automatic transmission, and fill as needed
- Check function of all interior and exterior lights

Required Maintenance Intervals

Refer to the maintenance schedules on the following page for the required maintenance intervals.

At Every Oil Change Interval As Indicated By Oil Change Indicator System:
• Change oil and filter
• Rotate the tires. **Rotate at the first sign of irregular wear, even if it occurs before the oil indicator system turns on.**
• Inspect battery and clean and tighten terminals as required
• Inspect automatic transmission fluid if equipped with dipstick
• Inspect brake pads, shoes, rotors, drums, hoses and park brake
• Inspect engine cooling system protection and hoses
• Inspect exhaust system
• Inspect engine air cleaner if using in dusty or off-road conditions
• Inspect all door latches for presence of grease, reapply if necessary.

Maintenance Chart

Refer to the Maintenance Schedules on the following pages for the required maintenance intervals.

Mileage or time passed (whichever comes first)	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Or Years:	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Or Kilometers:	32,000	48,000	64,000	80,000	96,000	112,000	128,000	144,000	160,000	176,000	192,000	208,000	224,000	240,000
Additional Inspections														
Inspect the CV/Universal joints.	X		X		X		X		X		X		X	
Inspect front suspension, tie rod ends, and replace if necessary.	X		X		X		X		X		X		X	
Inspect the front and rear axle fluid.	X				X				X				X	
Inspect the brake linings, replace as necessary	X		X		X		X		X		X		X	
Adjust parking brake on vehicles equipped with four wheel disc brakes.	X		X		X		X		X		X		X	
Inspect transfer case fluid.		X						X						X
Additional Maintenance														
Replace engine air cleaner filter.		X			X			X			X			X
Replace air conditioning/cabin air filter.	X		X		X		X		X		X		X	
Replace spark plugs **									X					
Flush and replace the engine coolant at 10 years or 150,000 miles (240,000 km) whichever comes first.									X					X

Mileage or time passed (whichever comes first)	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Or Years:	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Or Kilometers:	32,000	48,000	64,000	80,000	96,000	112,000	128,000	144,000	160,000	176,000	192,000	208,000	224,000	240,000
Change automatic transmission fluid and filter if using your vehicle for any of the following: police, taxi, fleet, or frequent trailer towing.					X						X			
Change the automatic transmission fluid and filter.											X			
Change the manual transmission fluid if using your vehicle for any of the following: trailer towing, snow plowing, heavy loading, taxi, police, delivery service (commercial service), off-road, desert operation or more than 50% of your driving is at sustained high speeds during hot weather, above 90°F (32°C).		X			X			X			X			X
Change transfer case fluid if using your vehicle for any of the following: police, taxi, fleet, or frequent trailer towing.					X						X			
Inspect and replace PCV valve if necessary.									X					
Change front and rear axle fluid if using your vehicle for police, taxi, fleet, off-road or frequent trailer towing.			X				X				X			

** The spark plug change interval is mileage based only, yearly intervals do not apply.

WARNING!

- You can be badly injured working on or around a motor vehicle. Do only service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.
- Failure to properly inspect and maintain your vehicle could result in a component malfunction and effect vehicle handling and performance. This could cause an accident.

MAINTENANCE RECORD

	Odometer	Date	Signature, Authorized Service Center
20,000 Miles (32,000 km) or 2 Years			
30,000 Miles (48,000 km) or 3 Years			
40,000 Miles (64,000 km) or 4 Years			
50,000 Miles (80,000 km) or 5 Years			
60,000 Miles (96,000 km) or 6 Years			
70,000 Miles (112,000 km) or 7 Years			
80,000 Miles (128,000 km) or 8 Years			

	Odometer	Date	Signature, Authorized Service Center
90,000 Miles (144,000 km) or 9 Years			
100,000 Miles (160,000 km) or 10 Years			
110,000 Miles (176,000 km) or 11 Years			
120,000 Miles (192,000 km) or 12 Years			
130,000 Miles (208,000 km) or 13 Years			
140,000 Miles (224,000 km) or 14 Years			
150,000 Miles (240,000 km) or 15 Years			

FUSES

WARNING!

- When replacing a blown fuse, always use an appropriate replacement fuse with the same amp rating as the original fuse. Never replace a fuse with another fuse of higher amp rating. Never replace a blown fuse with metal wires or any other material. Failure to use proper fuses may result in serious personal injury, fire and/or property damage.
- Before replacing a fuse, make sure that the ignition is off and that all the other services are switched off and/or disengaged.
- If the replaced fuse blows again, contact an authorized dealer.
- If a general protection fuse for safety systems (air bag system, braking system), power unit systems (engine system, gearbox system) or steering system blows, contact an authorized dealer.

Totally Integrated Power Module

The Totally Integrated Power Module is located in the engine compartment near the battery. This center contains cartridge fuses, mini fuses and relays. A label that identifies each component is printed on the inside of the cover.

Cavity	Cartridge Fuse	Mini Fuse	Description
J1	–	–	–
J2	30 Amp Pink	–	Transfer Case Module
J3	–	–	–
J4	25 Amp Clear	–	Driver Door Node
J5	25 Amp Clear	–	Passenger Door Node
J6	40 Amp Green	–	Anti-Lock Brake System (ABS) Pump/Stability Control System
J7	30 Amp Pink	–	Anti-Lock Brake System (ABS) Valve/Stability Control System
J8	–	–	–
J9	40 Amp Green	–	PZEV Sec Motor/Flex Fuel – If Equipped
J10	30 Amp Pink	–	Headlamp Wash Relay/Manifold Tuning Valve
J11	30 Amp Pink	–	Sway Bar
J12	30 Amp Pink	–	Rear Blower Motor/Radiator Fan
J13	60 Amp Yellow	–	Ignition Off Draw (IOD) – Main
J14	40 Amp Green	–	Rear Defroster
J15	40 Amp Green	–	Front Blower
J17	40 Amp Green	–	Starter Solenoid
J18	20 Amp Blue	–	Powertrain Control Module (PCM) Trans Range

Cavity	Cartridge Fuse	Mini Fuse	Description
J19	60 Amp Yellow	–	Radiator Fan
J20	30 Amp Pink	–	Front Wiper LO/HI
J21	20 Amp Blue	–	Front/Rear Washer
J22	–	–	Spare
M1	–	15 Amp Blue	Center High-Mounted Stop Light (CHMSL)/Switch Stop Lamp Feed
M2	–	20 Amp Yellow	Relay Trailer Lighting (Stoplamp)
M3	–	20 Amp Yellow	Frt/Rear Axle Locker Relay
M4	–	2 Amp Grey	Clock Spring
M5	–	25 Amp Clear	Power Inverter – If Equipped
M6	–	20 Amp Yellow	Power Outlet #1/Rain Sensor
M7	–	20 Amp Yellow	Power Outlet #2 (BATT/ACC SELECT)
M8	–	20 Amp Yellow	Front Heated Seat
M9	–	20 Amp Yellow	Rear Heated Seat – If Equipped
M10	–	15 Amp Blue	Ignition Off Draw – Vehicle Entertainment System, Satellite Digital Audio Receiver (SDARS), DVD, Hands-Free Module, RADIO, Antenna, Universal Garage Door Opener, Vanity Lamp
M11	–	10 Amp Red	(Ignition Off Draw) Climate Control System, Underhood Lamp
M12	–	30 Amp Green	Amplifier
M13	–	20 Amp Yellow	Ignition Off Draw – Cabin Compartment Node, Wireless Control Module, SIREN, Multifunction Control Switch
M14	–	20 Amp Yellow	Trailer Tow (Export Only)
M15	–	20 Amp Yellow	Climate Control System, Rear View Mirror, Cabin Compartment Node, Transfer Case Switch, Multi-Function Control Switch, Tire Pressure Monitor, Glow Plug Module – Export Diesel Only
M16	–	10 Amp Red	Airbag Module
M17	–	15 Amp Blue	Left Tail/License/Park Lamp
M18	–	15 Amp Blue	Right Tail/Park/Run Lamp
M19	–	25 Amp Clear	Auto Shut Down (ASD #1 and #2)
M20	–	15 Amp Blue	Cabin Compartment Node Interior Light, Switch Bank
M21	–	20 Amp Yellow	Auto Shut Down (ASD #3)

Cavity	Cartridge Fuse	Mini Fuse	Description
M22	–	10 Amp Red	Right Horn (HI/LOW)
M23	–	10 Amp Red	Left Horn (HI/LOW)
M24	–	25 Amp Clear	Rear Wiper
M25	–	20 Amp Yellow	Fuel Pump, Diesel Lift Pump – Export Only
M26	–	10 Amp Red	Power Window Switch, Driver Window Switch
M27	–	10 Amp Red	Ignition Switch Feed, Wireless Module
M28	–	10 Amp Red	Powertrain Control Module
M29	–	10 Amp Red	Powertrain
M30	–	15 Amp Blue	Wiper Motor Frt, J1962 Diagnostic Feed
M31	–	20 Amp Yellow	Backup Lamps
M32	–	10 Amp Red	Airbag Controller, TT EUROPE
M33	–	10 Amp Red	Powertrain Controller
M34	–	10 Amp Red	Park Assist, Climate Control System, Headlamp Wash, Compass
M35	–	10 Amp Red	Heated Mirrors
M36	–	20 Amp Yellow	Power Outlet
M37	–	10 Amp Red	Anti-Lock Brake System, Electronic Stability Control, Stop Lamp Switch, Fuel Pump Relay
M38	–	25 Amp Clear	Lock/Unlock Motors

CAUTION!

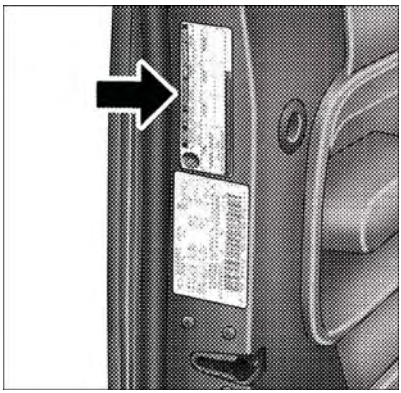
- When installing the Integrated Power Module cover, it is important to ensure the cover is properly positioned and fully latched. Failure to do so may allow water to get into the Integrated Power Module, and possibly result in an electrical system failure.
- When replacing a blown fuse, it is important to use only a fuse having the correct amperage rating. The use of a fuse with a rating other than indicated may result in a dangerous electrical system overload. If a properly rated fuse continues to blow, it indicates a problem in the circuit that must be corrected.

TIRES – GENERAL INFORMATION

TIRE PRESSURES

- Check the inflation pressure of each tire, including the spare tire, at least monthly and inflate to the recommended pressure for your vehicle.
- The tire pressures recommended for your vehicle are found on the "Tire And Loading Information" label located on the driver's side door opening.

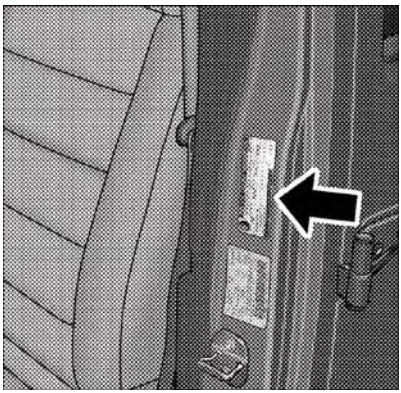
Two Door Tire Placard Location



Example

Four Door Tire Placard Location

NOTE:
Refer to the Owner's Manual on the DVD for more information regarding tire warnings and instructions.



Example

WARNING!

- Overloading of your tires is dangerous. Overloading can cause tire failure, affect vehicle handling, and increase your stopping distance. Use tires of the recommended load capacity for your vehicle. Never overload them.
- Improperly inflated tires are dangerous and can cause collisions. Under-inflation is the leading cause of tire failure and may result in severe cracking, component separation, or "blow out". Over-inflation reduces a tire's ability to cushion shock. Objects on the road and chuck holes can cause damage that results in tire failure. Unequal tire pressures can cause steering problems. You could lose control of your vehicle. Over-inflated or under-inflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.

SPARE TIRES – IF EQUIPPED

NOTE:
For vehicles equipped with Tire Service Kit instead of a spare tire, please refer to "Tire Service Kit" in "What To Do In Emergencies" on your DVD for further information.

CAUTION!

Because of the reduced ground clearance, do not take your vehicle through an automatic car wash with a compact or limited-use temporary spare installed. Damage to the vehicle may result.

Spare Tire Matching Original Equipped Tire And Wheel — If Equipped

Your vehicle may be equipped with a spare tire and wheel equivalent in look and function to the original equipment tire and wheel found on the front or rear axle of your vehicle. This spare tire may be used in the tire rotation for your vehicle. If your vehicle has this option, refer to an authorized tire dealer for the recommended tire rotation pattern.

Compact Spare Tire — If Equipped

The compact spare is for temporary emergency use only. You can identify if your vehicle is equipped with a compact spare by looking at the spare tire description on the Tire and Loading Information Placard located on the driver's side door opening or on the sidewall of the tire. Compact spare tire descriptions begin with the letter "T" or "S" preceding the size designation. Example: T145/80D18 103M.

T, S = Temporary Spare Tire

Since this tire has limited tread life, the original equipment tire should be repaired (or replaced) and reinstalled on your vehicle at the first opportunity.

Do not install a wheel cover or attempt to mount a conventional tire on the compact spare wheel, since the wheel is designed specifically for the compact spare tire. Do not install more than one compact spare tire and wheel on the vehicle at any given time.

WARNING!

Compact spares are for temporary emergency use only. With these spares, do not drive more than 50 mph (80 km/h). Temporary use spares have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced. Be sure to follow the warnings, which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

Full Size Spare — If Equipped

The full size spare is for temporary emergency use only. This tire may look like the originally equipped tire on the front or rear axle of your vehicle, but it is not. This spare tire may have limited tread life. When the tread is worn to the tread wear indicators, the temporary use full size spare tire needs to be replaced. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

Limited-Use Spare — If Equipped

The limited-use spare tire is for temporary emergency use only. This tire is identified by a label located on the limited-use spare wheel. This label contains the driving limitations for this spare. This tire may look like the original equipped tire on the front or rear axle of your vehicle, but it is not. Installation of this limited-use spare tire affects vehicle handling. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

WARNING!

Limited-use spares are for emergency use only. Installation of this limited-use spare tire affects vehicle handling. With this tire, do not drive more than the speed listed on the limit-use spare wheel. Keep inflated to the cold tire inflation pressures listed on your Tire and Loading Information Placard located on the driver's side B-Pillar or the rear edge of the driver's side door. Replace (or repair) the original equipment tire at the first opportunity and reinstall it on your vehicle. Failure to do so could result in loss of vehicle control.

WHEEL AND WHEEL TRIM CARE

All wheels and wheel trim, especially aluminum and chrome plated wheels, should be cleaned regularly with a mild soap and water to prevent corrosion.

To remove heavy soil and/or excessive brake dust, use MOPAR Wheel Cleaner or equivalent or select a non-abrasive, non-acidic cleaner.

CAUTION!

Do not use scouring pads, steel wool, a bristle brush, or metal polishes. Do not use oven cleaner. These products may damage the wheel's protective finish. Avoid automatic car washes that use acidic solutions or harsh brushes that may damage the wheel's protective finish. Only MOPAR Wheel Cleaner or equivalent is recommended.

REPLACEMENT BULBS

Interior Bulbs

	Bulb Number
Automatic Transmission Indicator Lamp	658
Heater Control Lamps (2)	194
Rocker Switch Indicator Lamp (Rear Window Defogger, and Rear Wash/Wipe)	**
Soundbar Dome Lamp	912
** Bulbs only available from authorized dealer.	

Exterior Bulbs

	Bulb Number
Headlamps (2)	H13
Front Park/Turn Signal Lamps (2)	3157NA
Front Side Marker Lamps (2)	168
Fog Lamps	PSX24W
Rear Stop/Tail/Turn Lamps (2)	3157
Center High-Mounted Stop Lamp	L.E.D.
Backup Lamps (2)	3157
License Lamp	194

NOTE:
Numbers refer to commercial bulb types that can be purchased from your local authorized dealer.
If a bulb needs to be replaced, visit your authorized dealer or refer to the applicable Service Manual.

FCA US LLC CUSTOMER CENTER

P.O. Box 21–8004 Auburn Hills, MI 48321–8004 Phone: 1-877-426-5337

FCA CANADA INC. CUSTOMER CENTER

P.O. Box 1621 Windsor, Ontario N9A 4H6 Phone: 1-800-465-2001 (English) Phone: 1-800-387-9983 (French)

ASSISTANCE FOR THE HEARING IMPAIRED

To assist customers who have hearing difficulties, the manufacturer has installed special TDD (Telecommunication Devices for the Deaf) equipment at its customer center. Any hearing or speech impaired customer, who has access to a TDD or a conventional teletypewriter (TTY) in the United States, can communicate with the manufacturer by dialing 1-800-380-CHRY. Canadian residents with hearing difficulties that require assistance can use the special needs relay service offered by Bell Canada. For TTY teletypewriter users, dial 711 and for Voice callers, dial 1-800-855-0511 to connect with a Bell Relay Service operator.

WARNING!

Engine exhaust, some of its constituents, and certain vehicle components contain, or emit, chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain, or emit, chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm.

PUBLICATIONS ORDERING

- If you are the first registered retail owner of your vehicle, you may obtain a complimentary printed copy of the Owner's Manual, Navigation/Uconnect Manuals or Warranty Booklet. United States customers may visit the Jeep Contact Us page at www.jeep.com scroll to the bottom of the page and select the “Contact Us” link, then select the “Owner’s Manual and Glove Box Material” from the left menu. You may also obtain a complimentary copy by calling 1-877-426-5337 (U.S.) or 1-800-387-1143 (Canada).
- Replacement User Guide kits or DVDs or, if you prefer, additional printed copies of the Owner's Manual, Warranty Booklet or Radio Manuals may be purchased by visiting www.techauthority.com or by calling 1-877-890-4038 (U.S.) or 1-800-387-1143 (Canada). Visa, Master Card, American Express and Discover orders are accepted. If you prefer mailing your order, please call the above numbers for an order form.

NOTE:

- A street address is required when ordering manuals (no P.O. Boxes).
- The Owner's Manual and User Guide electronic files are also available on the Chrysler, Jeep, Ram Truck, Dodge and SRT websites.
- Click on the "For Owners" tab, select "Owner/Service Manuals", then select your desired model year and vehicle from the drop down lists.

REPORTING SAFETY DEFECTS IN THE UNITED STATES

If you believe that your vehicle has a defect that could cause a collision or cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying the manufacturer.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your authorized dealer and the manufacturer.

To contact NHTSA, you may either call the Auto Safety Hotline toll free at 1-888-327-4236 (TTY: 1-800-424-9153), or go to http://www.safercar.gov; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE., West Building, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

In Canada

If you believe that your vehicle has a safety defect, you should contact the Customer Service Department immediately. Canadian customers who wish to report a safety defect to the Canadian government should contact Transport Canada, Motor Vehicle Defect Investigations and Recalls at 1-800-333-0510 or go to http://www.tc.gc.ca/roadsafety/.

French Canadian customers who wish to report a safety defect to the Canadian government should contact Transport Canada, Motor Vehicle Defect Investigations and Recalls at 1-800-333-0510 or go to http://www.tc.gc.ca/securiteroutiere/.

MOPAR® ACCESSORIES AND JEEP® PERFORMANCE PARTS

AUTHENTIC ACCESSORIES AND JEEP PERFORMANCE PARTS BY MOPAR

- Mopar Accessories and Jeep performance parts are developed with the same engineering that went into your Wrangler. Choose these products with confidence knowing that they have passed the same rigid standards for function, fit, durability and performance as your Wrangler.
- For the full line of Authentic Jeep Accessories by Mopar, visit your local dealership or online at mopar.com for U.S. residents and mopar.ca for Canadian residents.

NOTE:
All parts are subject to availability.

Chrome:

- Grille
- Exhaust Tip
- Tubular Side Steps
- Fuel Door
- Tubular Bumpers
- Tail Lamp Guards

Off Road & Performance:

- Bumpers
- Winches
- Performance Axles
- Cold Air Intake
- Rock Rails
- Lift Kits
- LED Lights
- Differential Covers
- Skid Plates
- Lights
- Tow Hooks

Exterior:

- Black Tubular Side Steps
- Satin Black Grille
- Spare Tire Covers
- Wheel Locks
- Locking Fuel Cap
- Hood (2 Styles Of Performance Hoods)
- Satin Fuel Door
- Cab Covers
- Soft & Hard Tops
- Hood Decals
- Ski And Bike Carriers
- Air Deflectors
- Wheels
- Splash Guards
- Fender Flares
- Trailer Hitches

Interior:

- Lockable Storage
- Hard Top Headliner
- Custom Premium Leather Seats
- All Weather Floor Mats
- Carpet Floor Mats
- Seat Covers
- Cargo Area Tray
- Grab Handles

Electronics:

- Electronic Vehicle Tracking System
- Mopar Web
- Remote Start
- Heated Washer Solvent

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NOTES

This guide has been prepared to help you get quickly acquainted with your new Jeep Brand Vehicle and to provide a convenient reference source for common questions. However, it is not a substitute for your Owner's Manual.

For complete operational instructions, maintenance procedures and important safety messages, please consult your Owner's Manual, Navigation/Uconnect Manuals and other Warning Labels in your vehicle.

Not all features shown in this guide may apply to your vehicle. For additional information on accessories to help personalize your vehicle, visit **www.mopar.com** (U.S.), **www.mopar.ca** (Canada) or your local Jeep brand dealer.

Driving and Alcohol:

Drunken driving is one of the most frequent causes of collisions. Your driving ability can be seriously impaired with blood alcohol levels far below the legal minimum. If you are drinking, don't drive. Ride with a designated non-drinking driver, call a cab, a friend, or use public transportation.

WARNING:

Driving after drinking can lead to a collision. Your perceptions are less sharp, your reflexes are slower, and your judgment is impaired when you have been drinking. Never drink and then drive.

Jeep.com (U.S.) Jeep.ca (Canada)

DOWNLOAD A FREE ELECTRONIC COPY of the Owner's Manual and Warranty Booklet by visiting:

www.jeep.com/en/owners/manuals or

www.jeep.com/en/warranty (U.S.);

www.owners.mopar.ca/en (Canada).

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WRANGLER
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User Guide